

Fig. 1

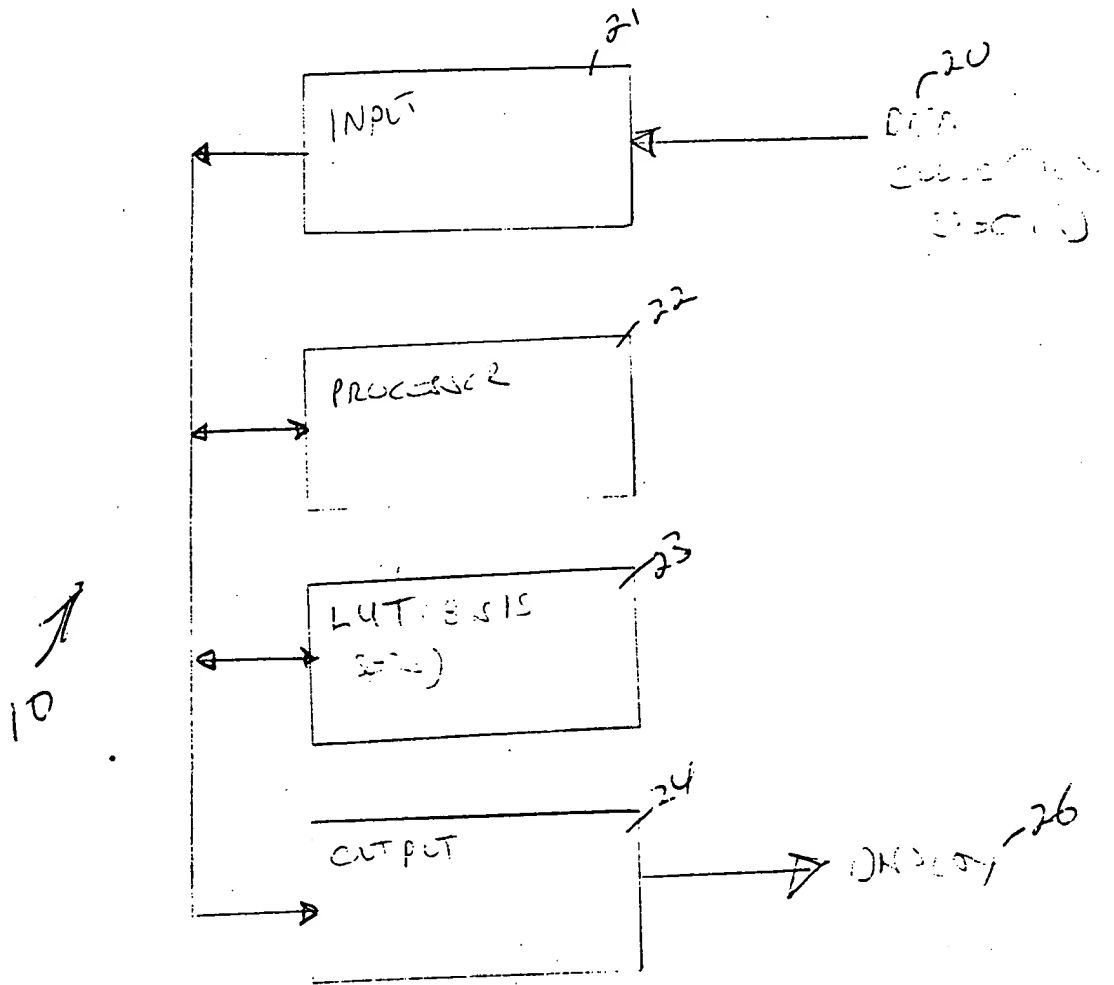


FIG. 2

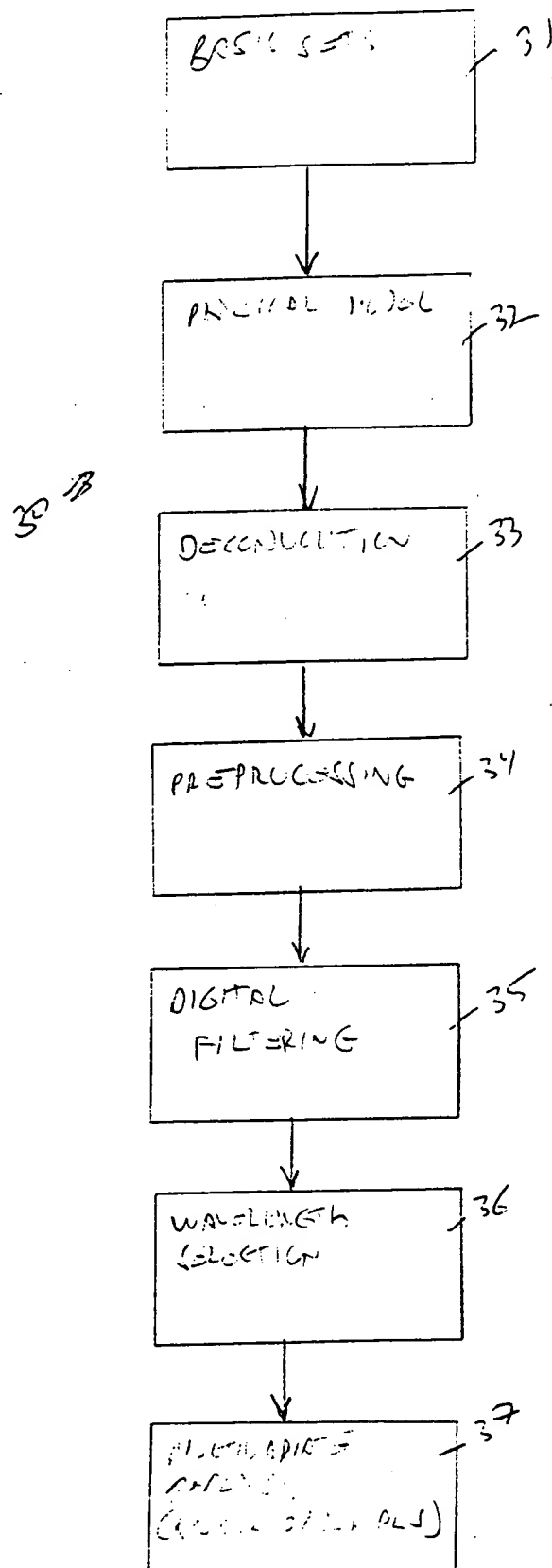


Fig. 3

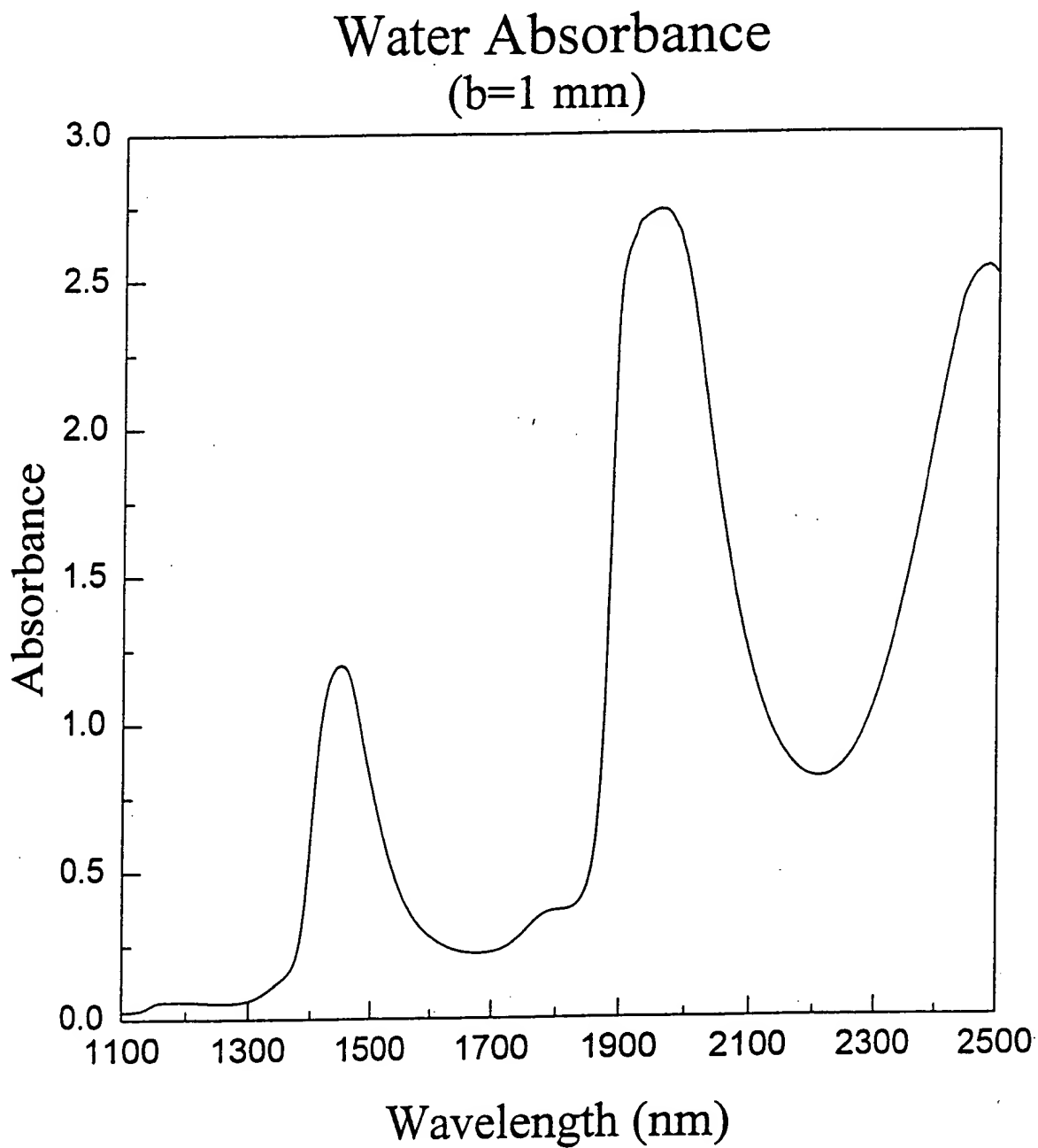


FIG. 4

08914588-081497

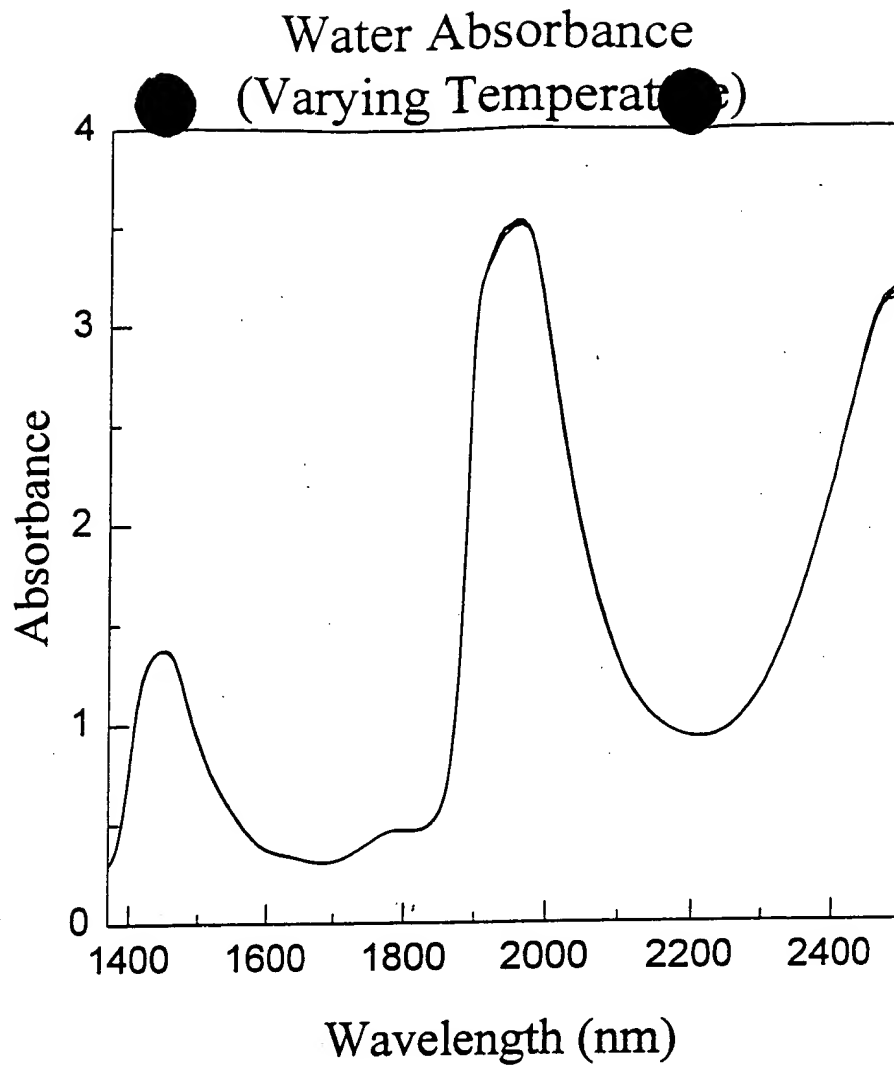


Fig. 5a

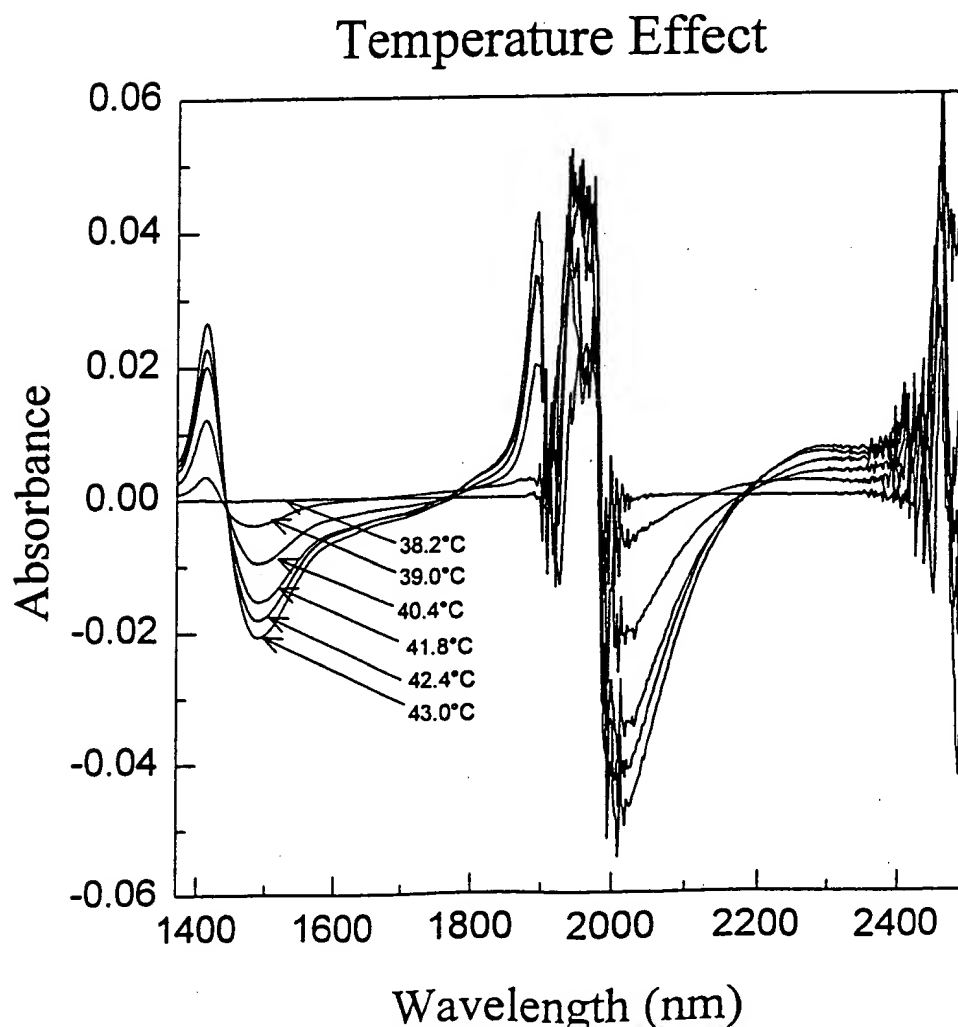


Fig. 5b

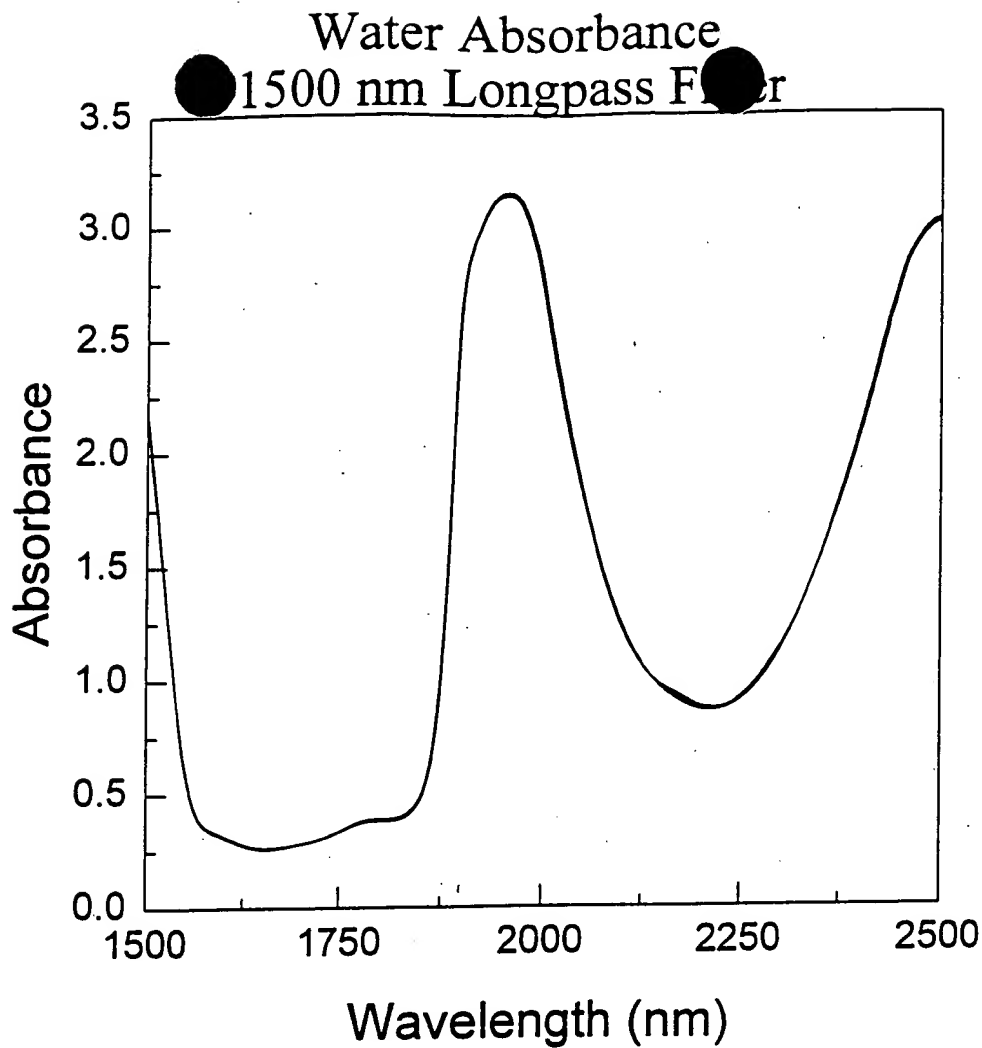


Fig. 6a

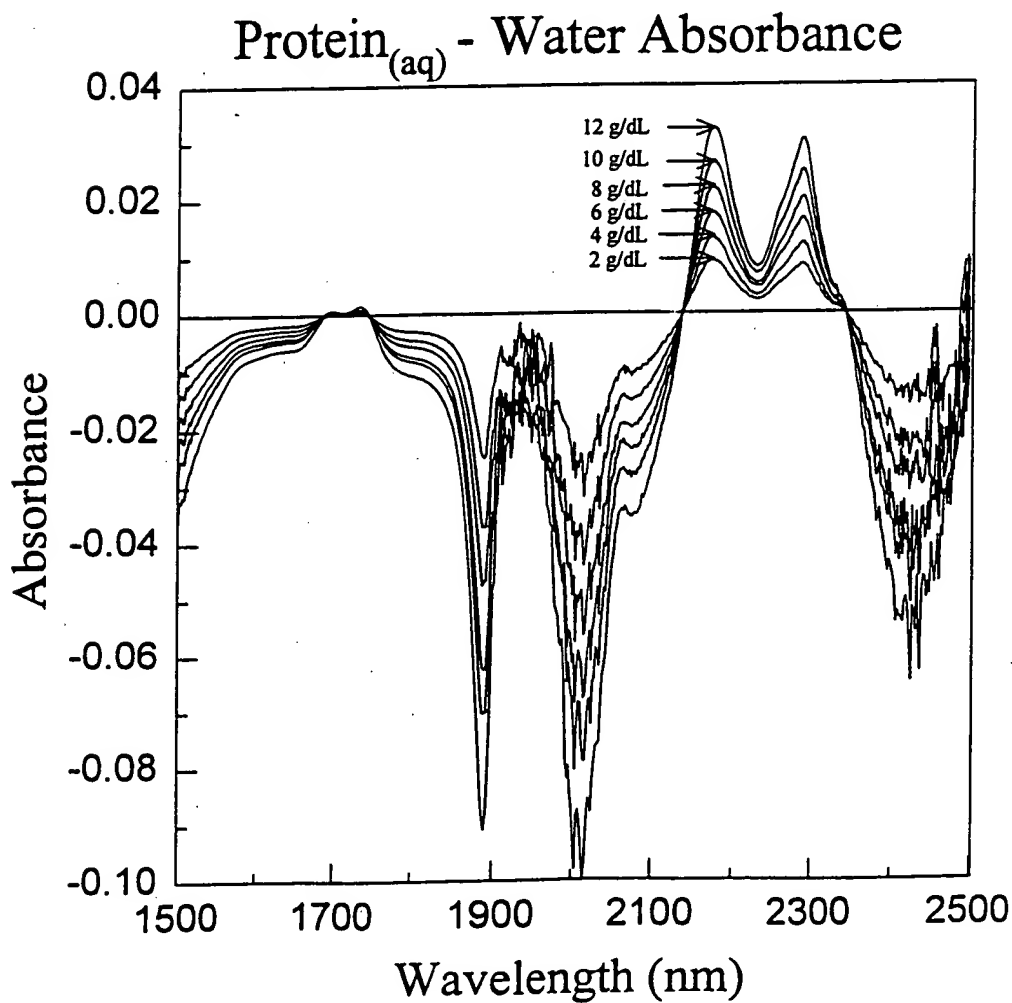
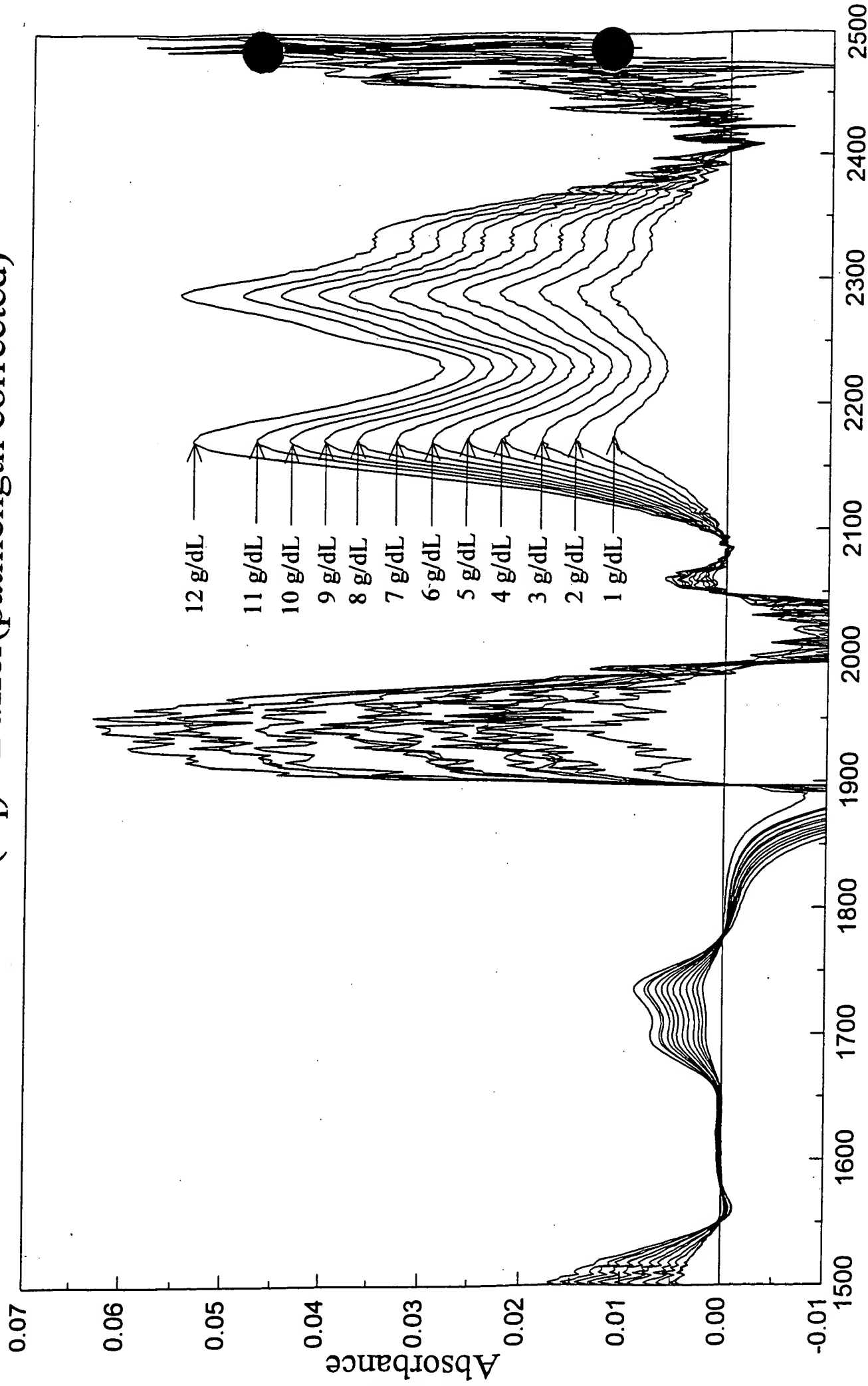


Fig. 6b

# Albumin(aq) - Buffer(pathlength corrected)



Wavelength (nm) *FIG 7*

# Globulin<sub>(aq)</sub> - Buffer

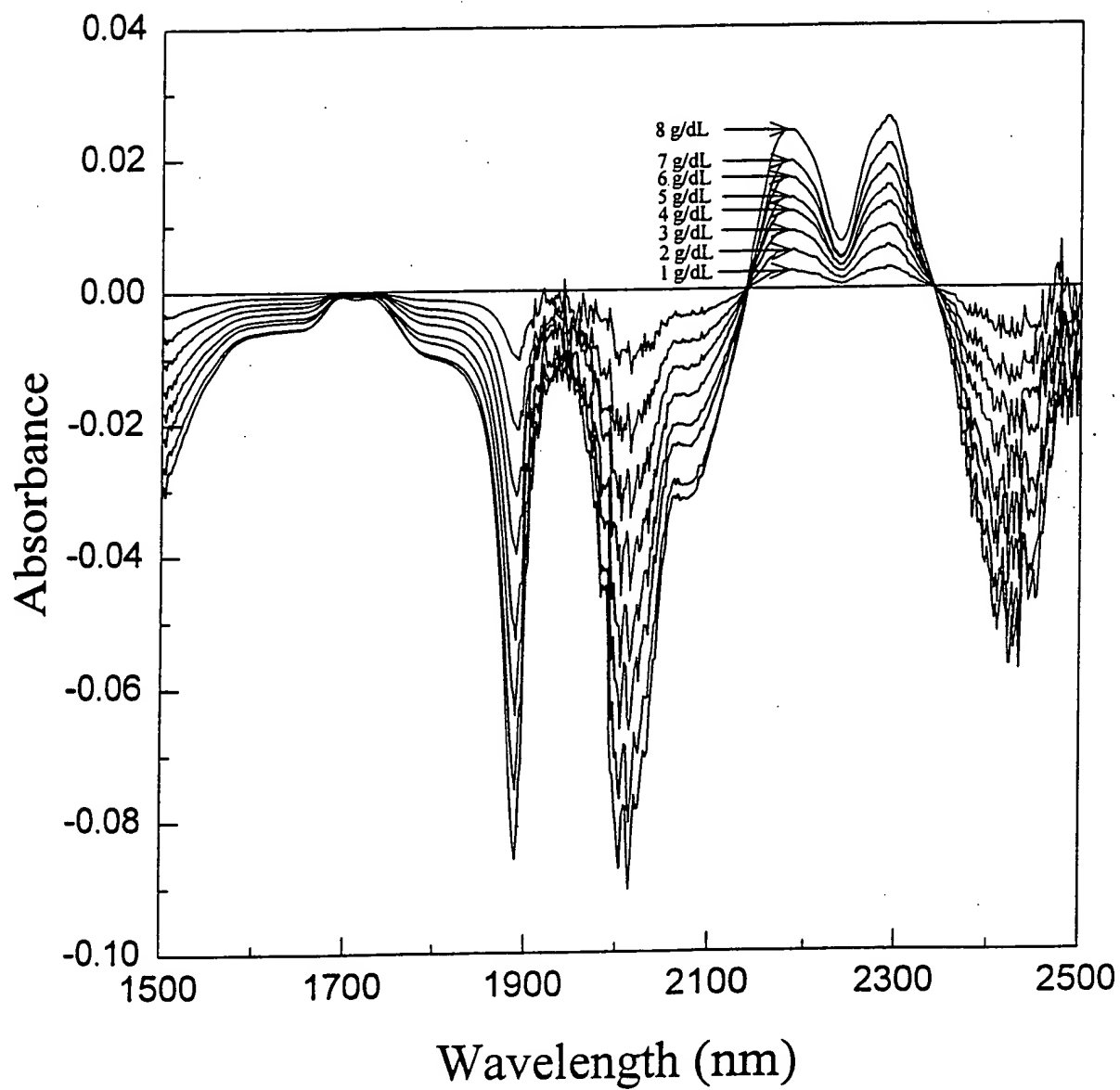
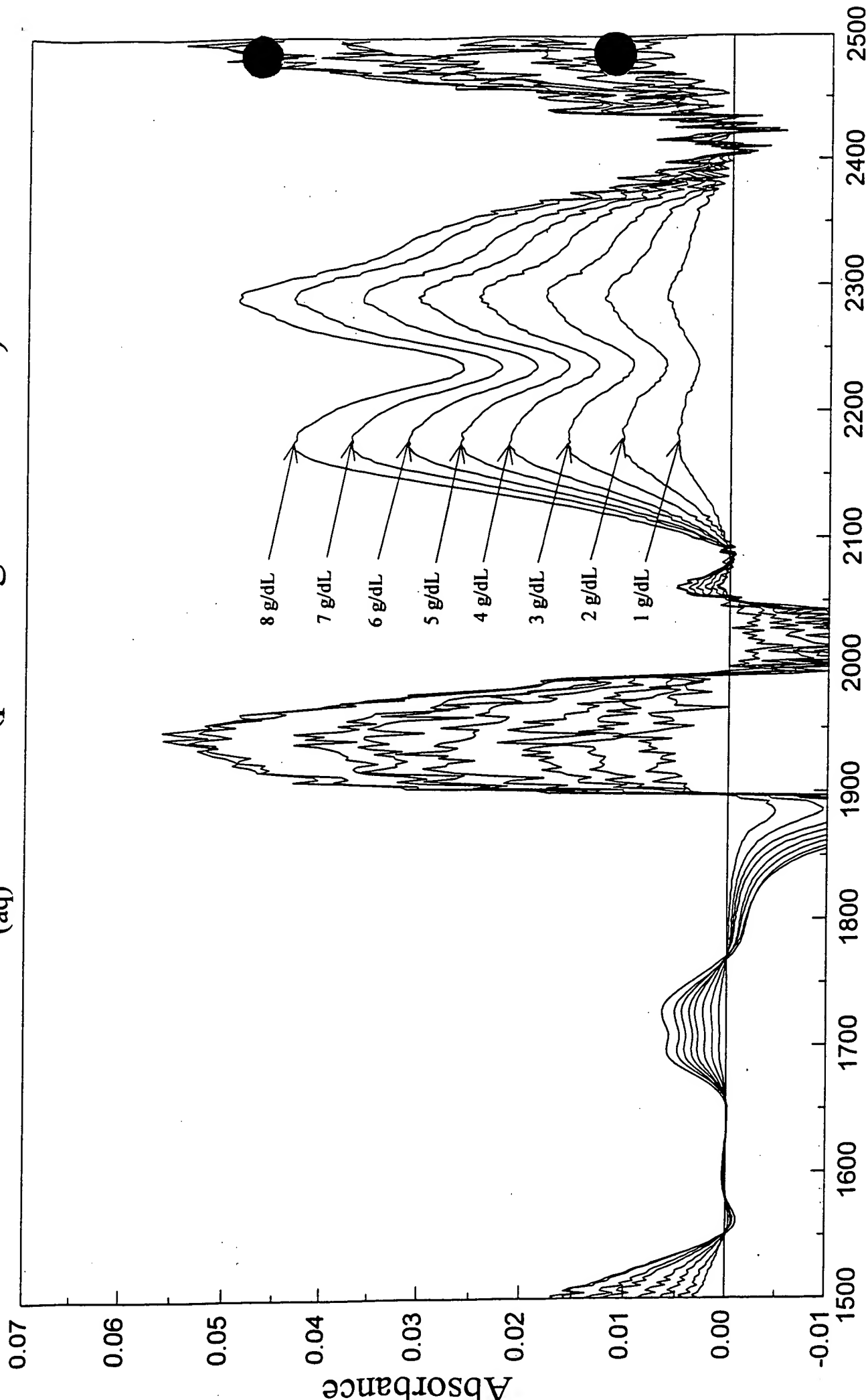


FIG. 8



464T80-825T680

# Globulin<sub>(aq)</sub> - Buffer(pathlength corrected)



Wavelength (nm)

FIG 9

Pathlength Corrections Required  
(Albumin, Globulin, & Triacetin)

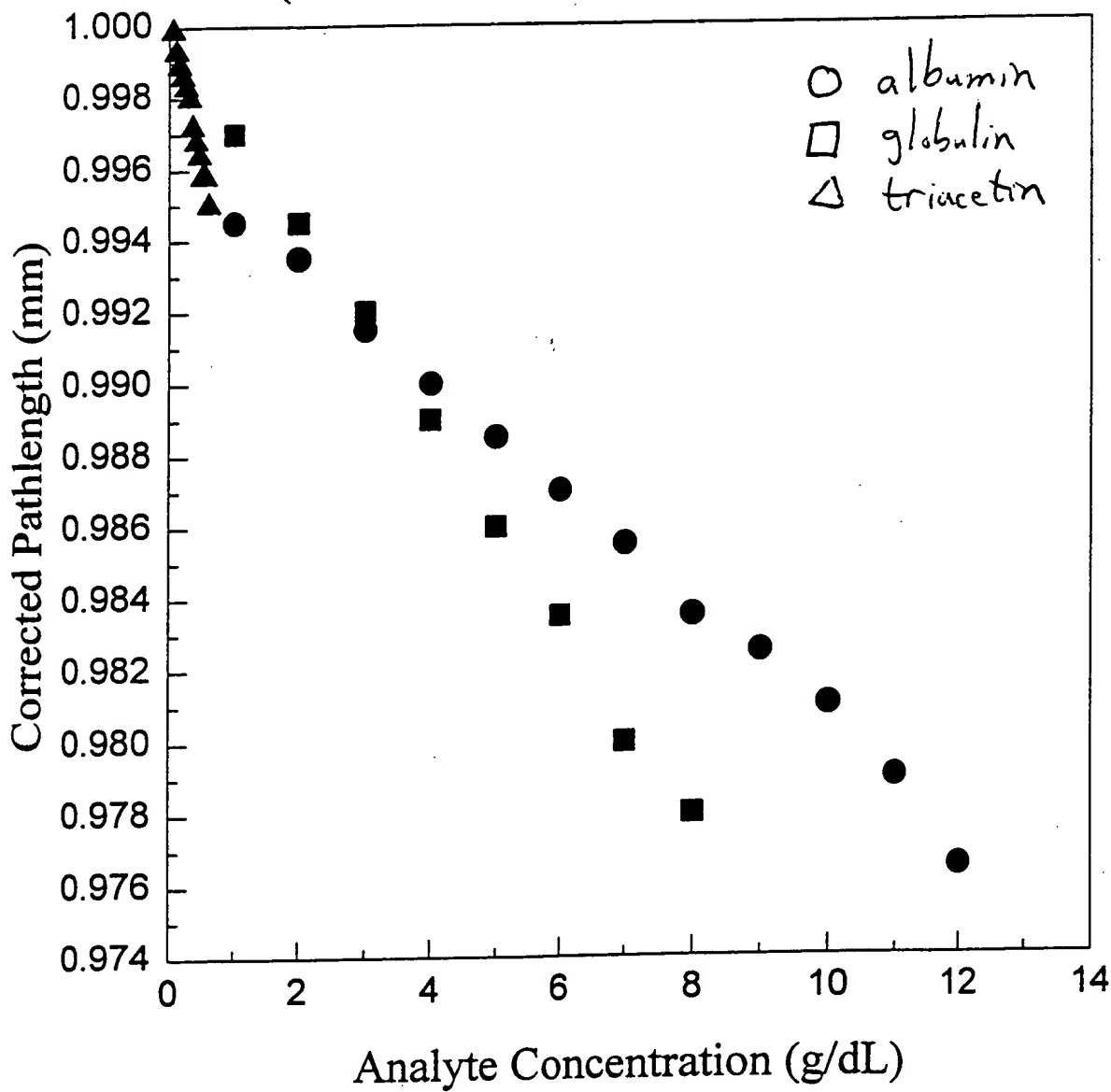


FIG. 10

264180-835T1630

# Triacetin<sub>(aq)</sub> - Buffer(pathlength corrected)

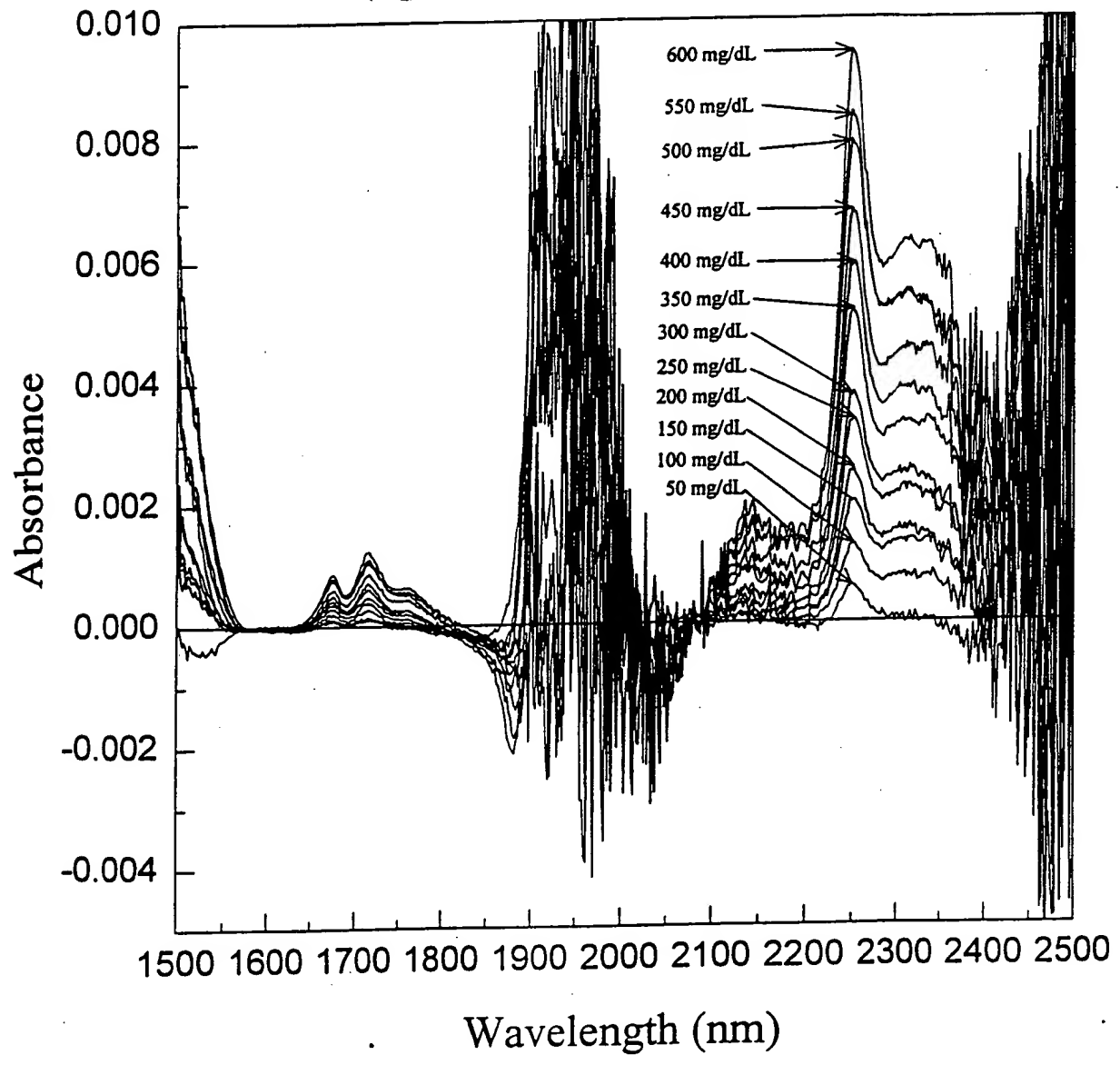


FIG. 11

264T30-BESTF680

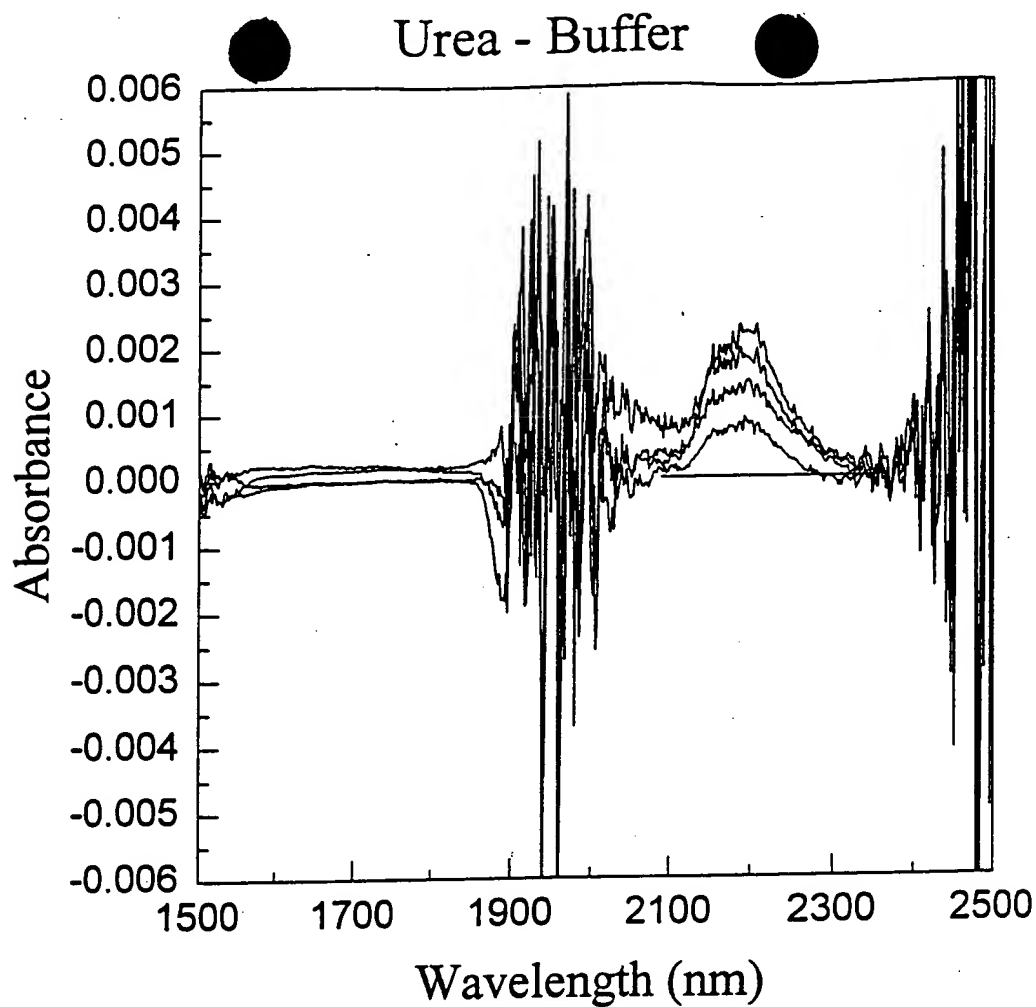


Fig 12a

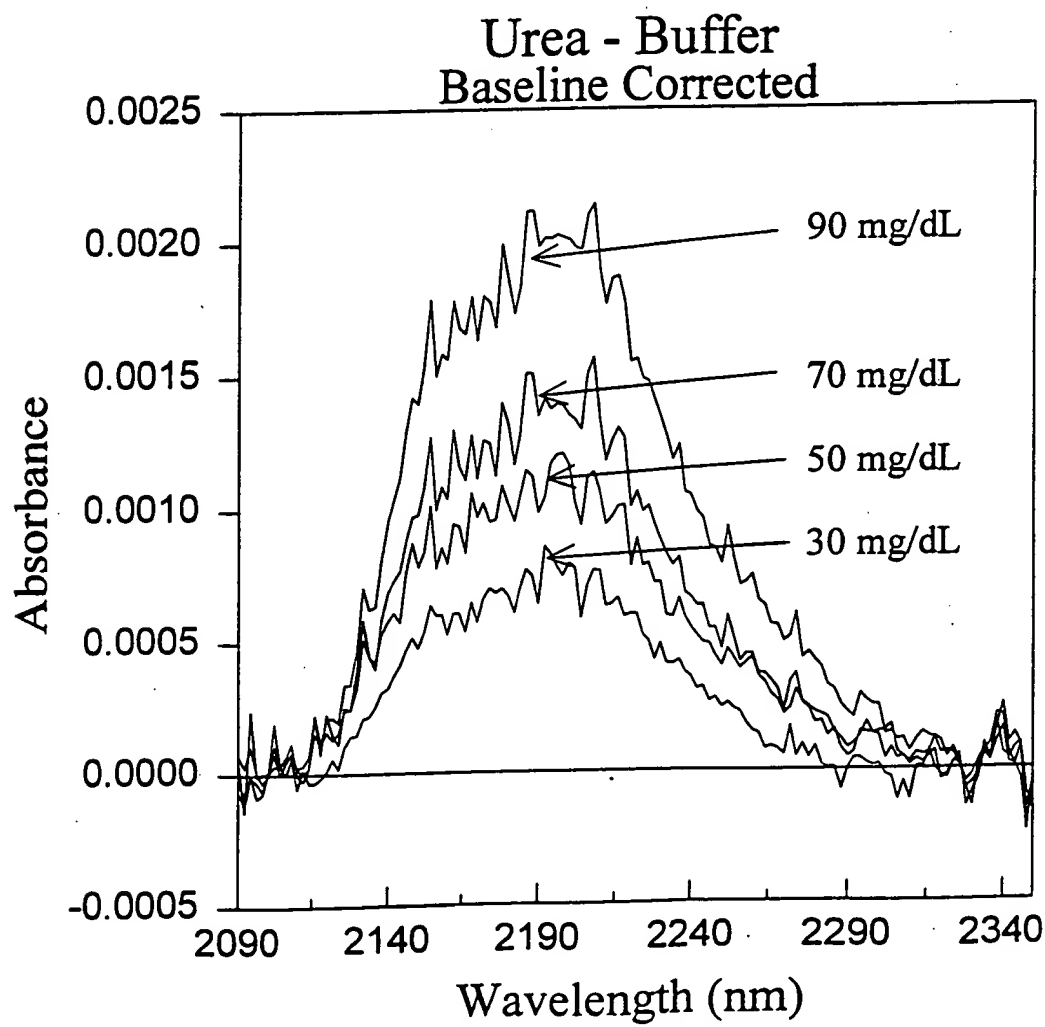
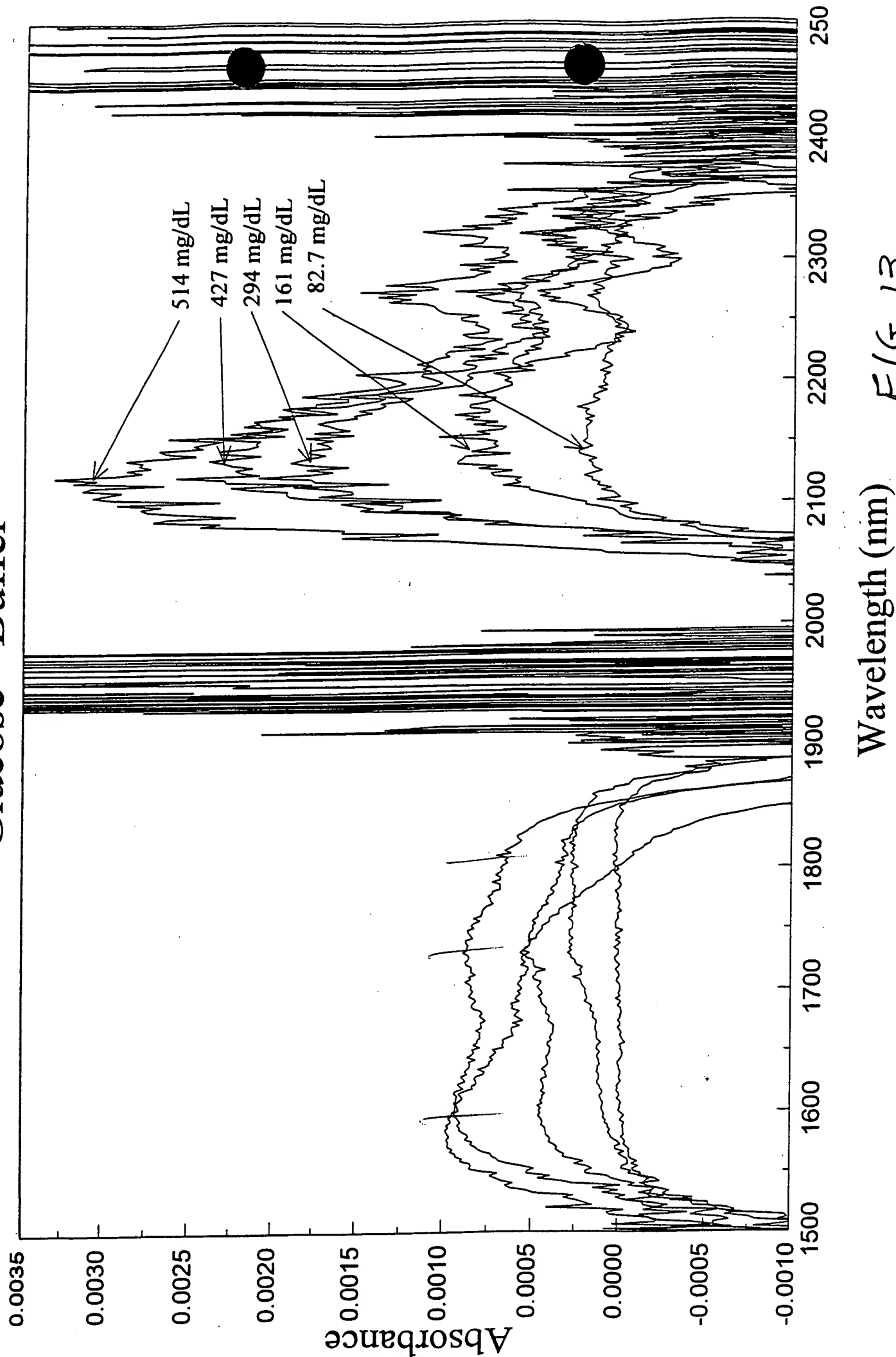


Fig 12b

# Glucose - Buffer



Wavelength (nm) FIG. 13

Solid Samples

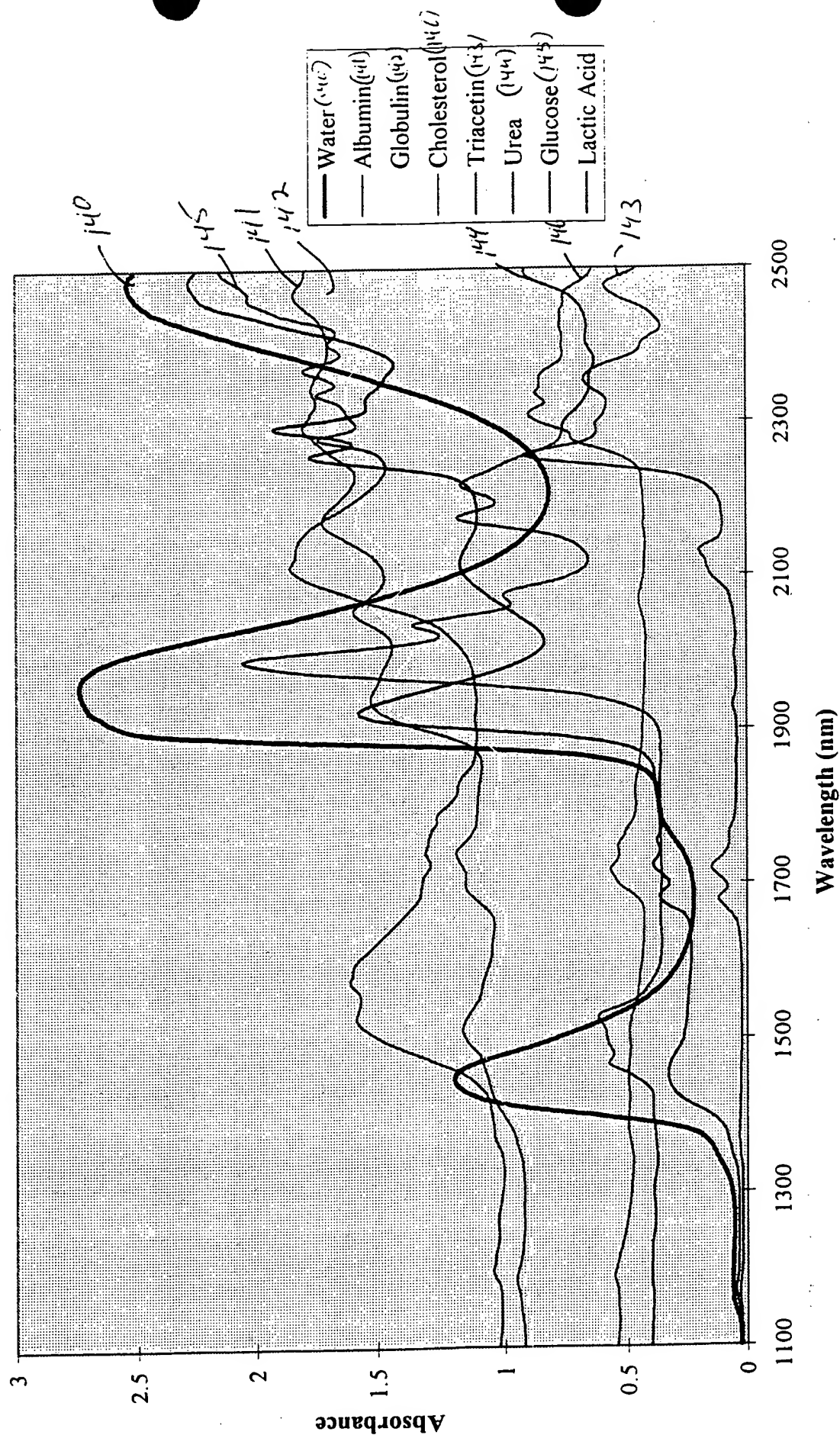


FIG. 14

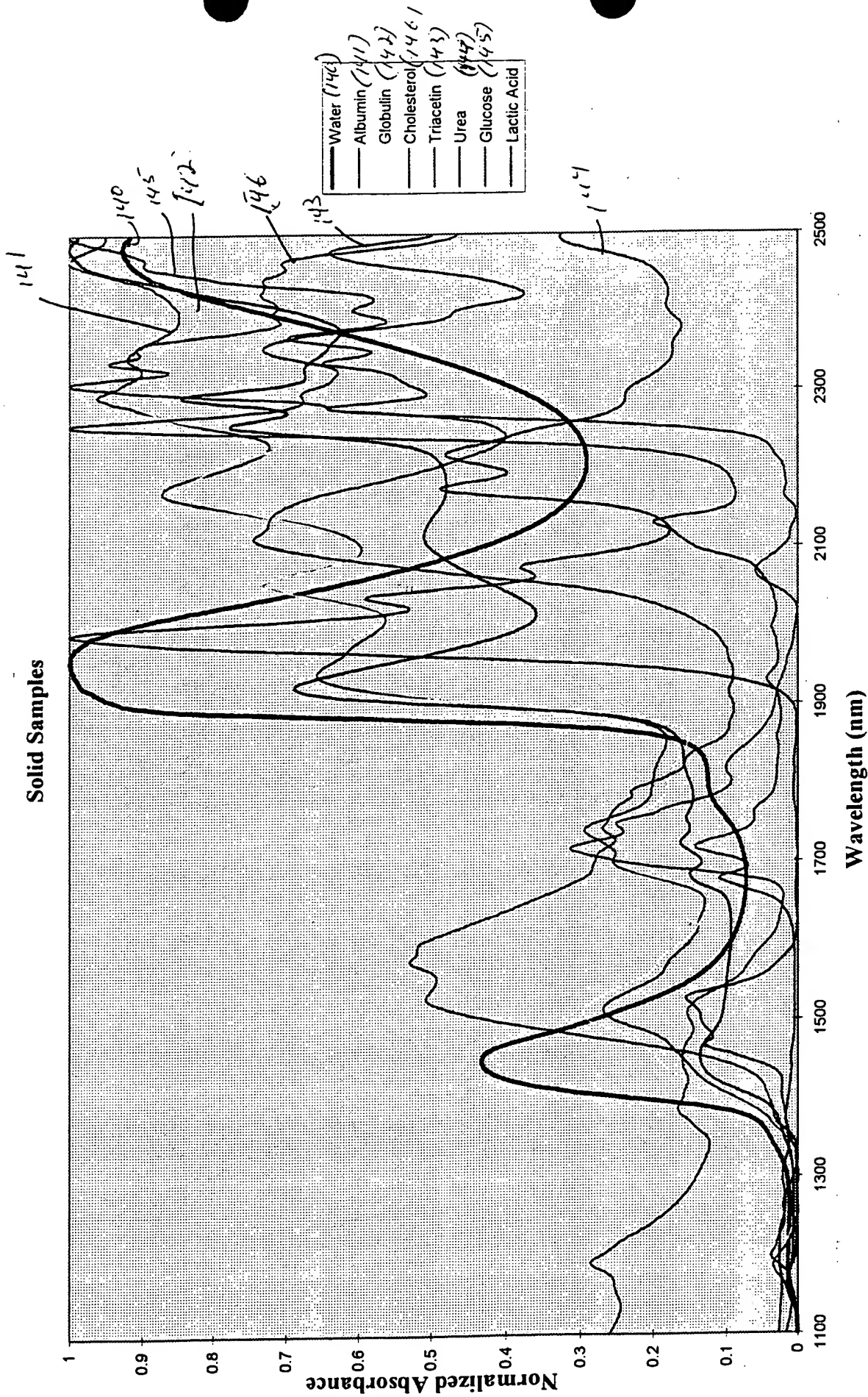


FIG. 15

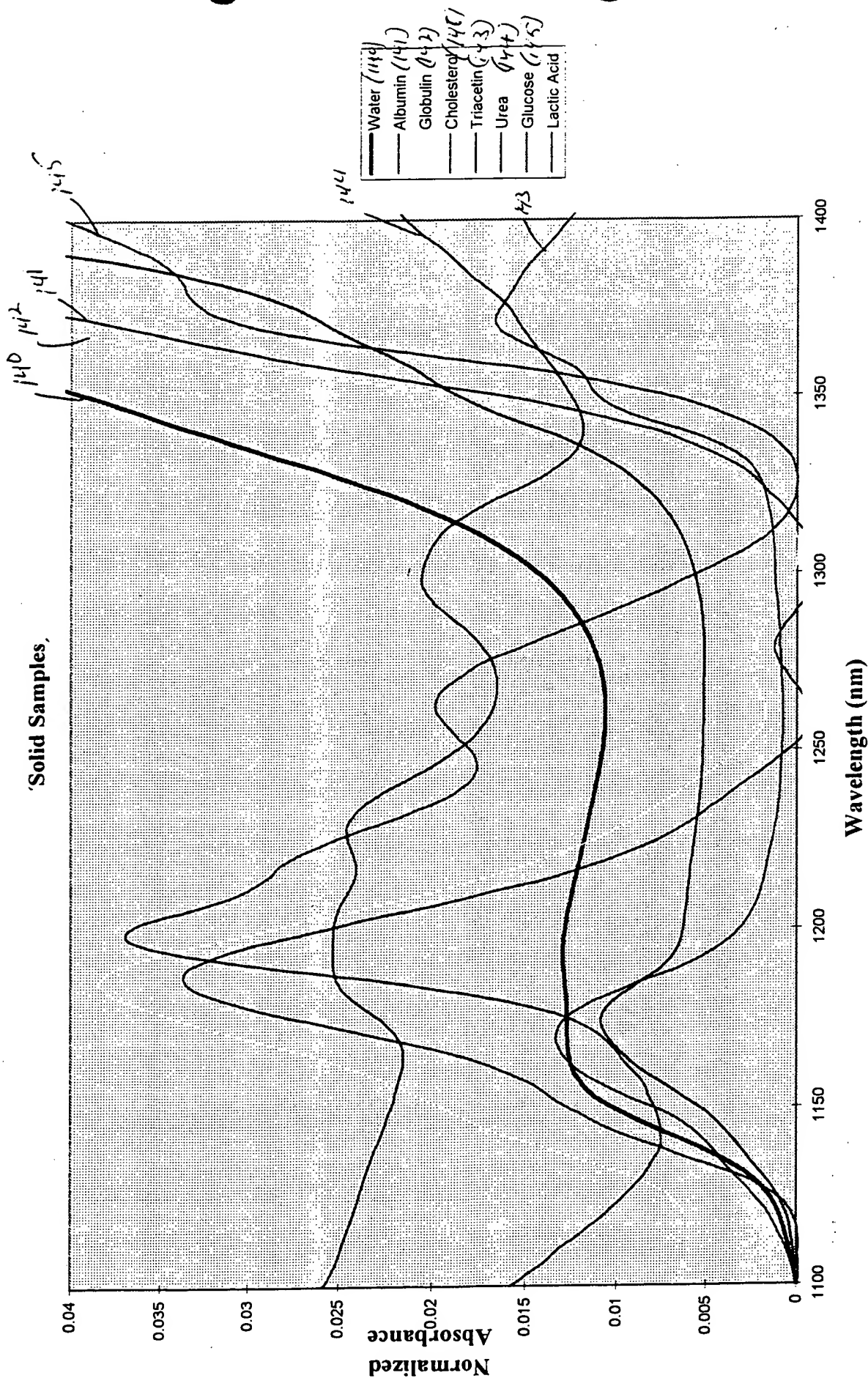


FIG. 16



2025-08-08 14:00:00

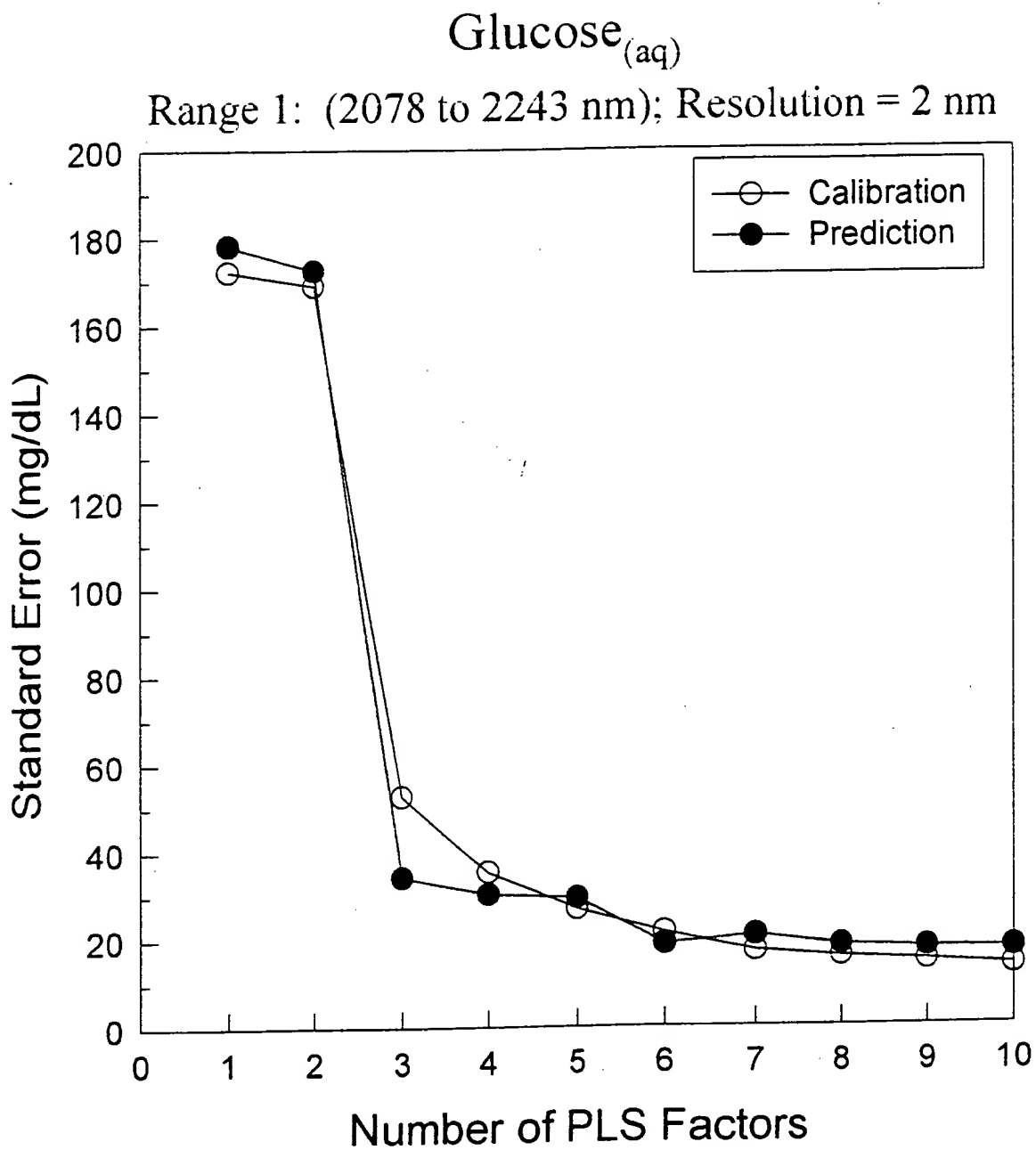


FIG. 17

20130-0051630

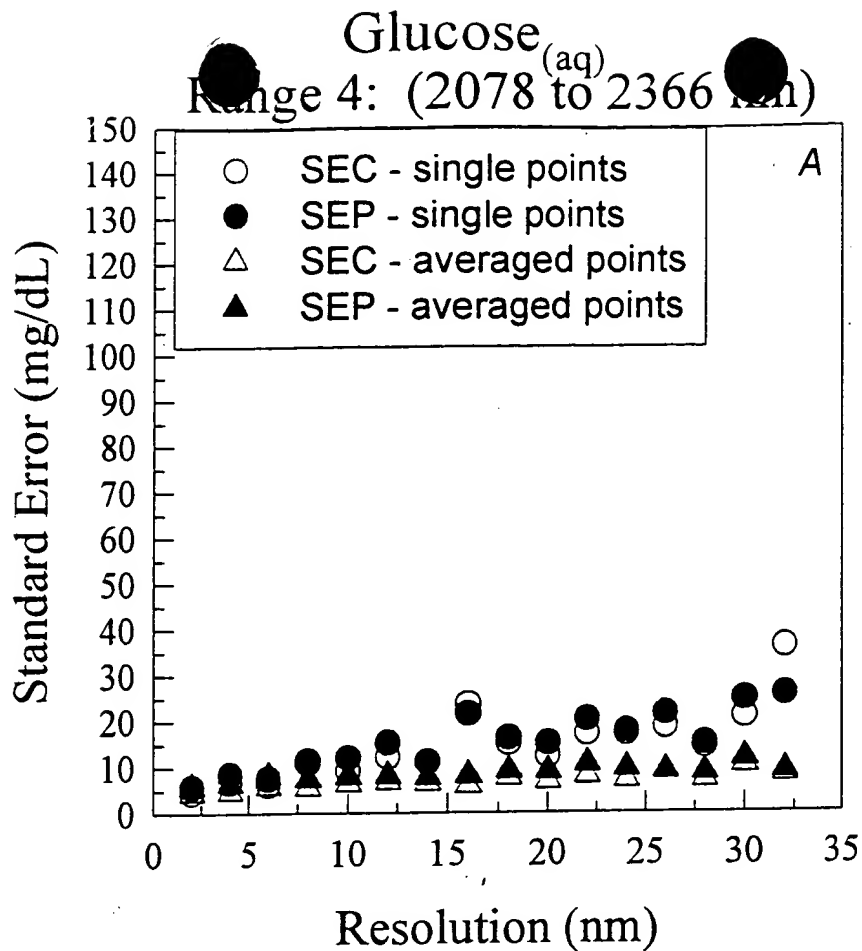


Fig. 18a

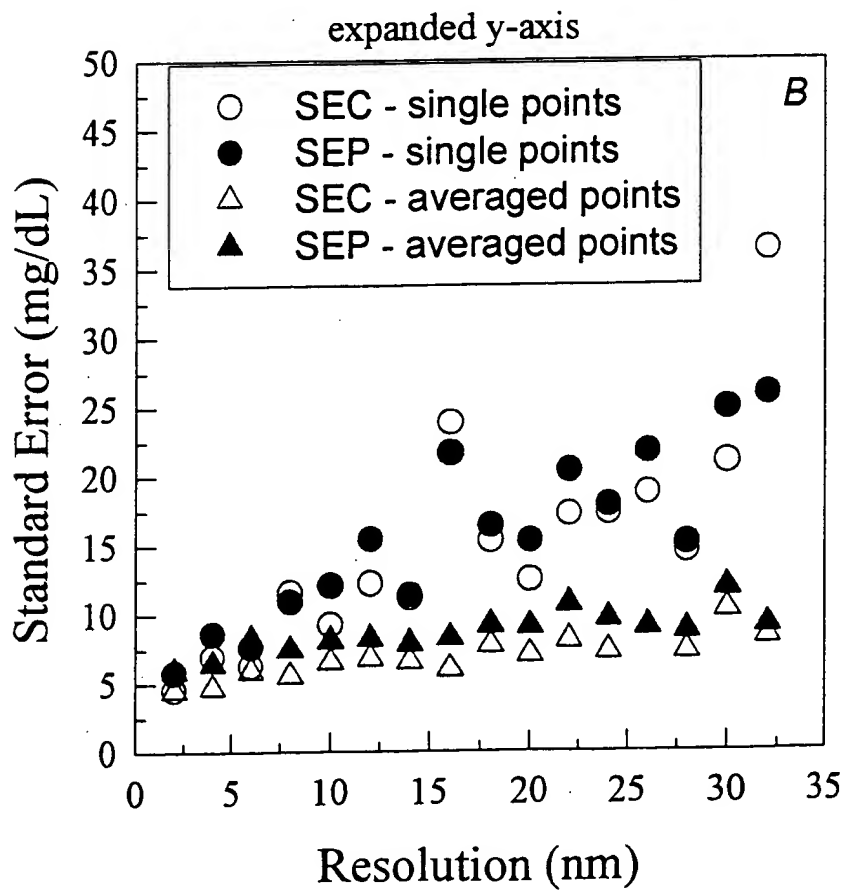


Fig. 18b

00011530-88511680

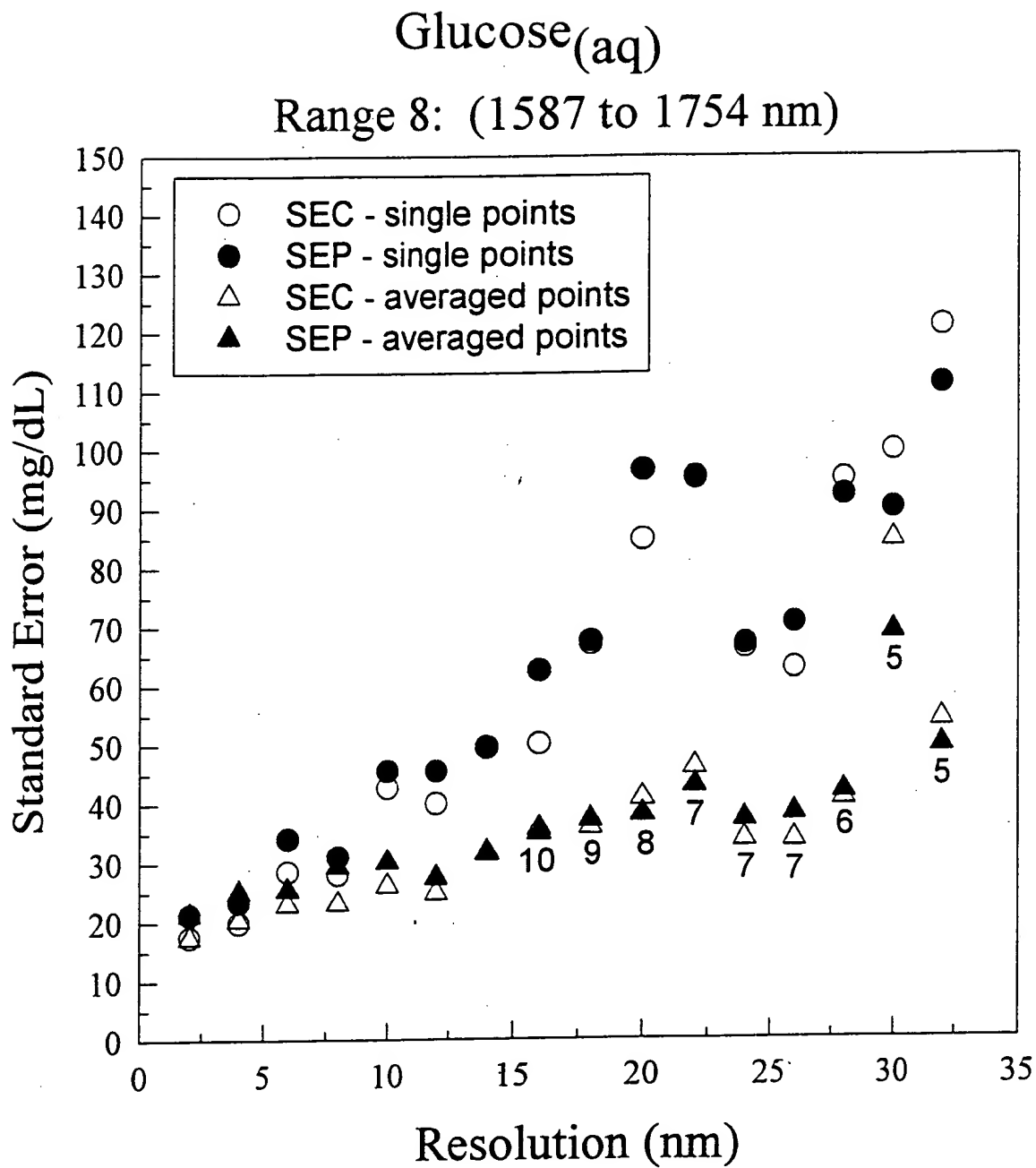


FIG. 19

Glucose<sub>(aq)</sub>

Range 8: (1587 to 1754 nm); averaged points, 6PLS Factors

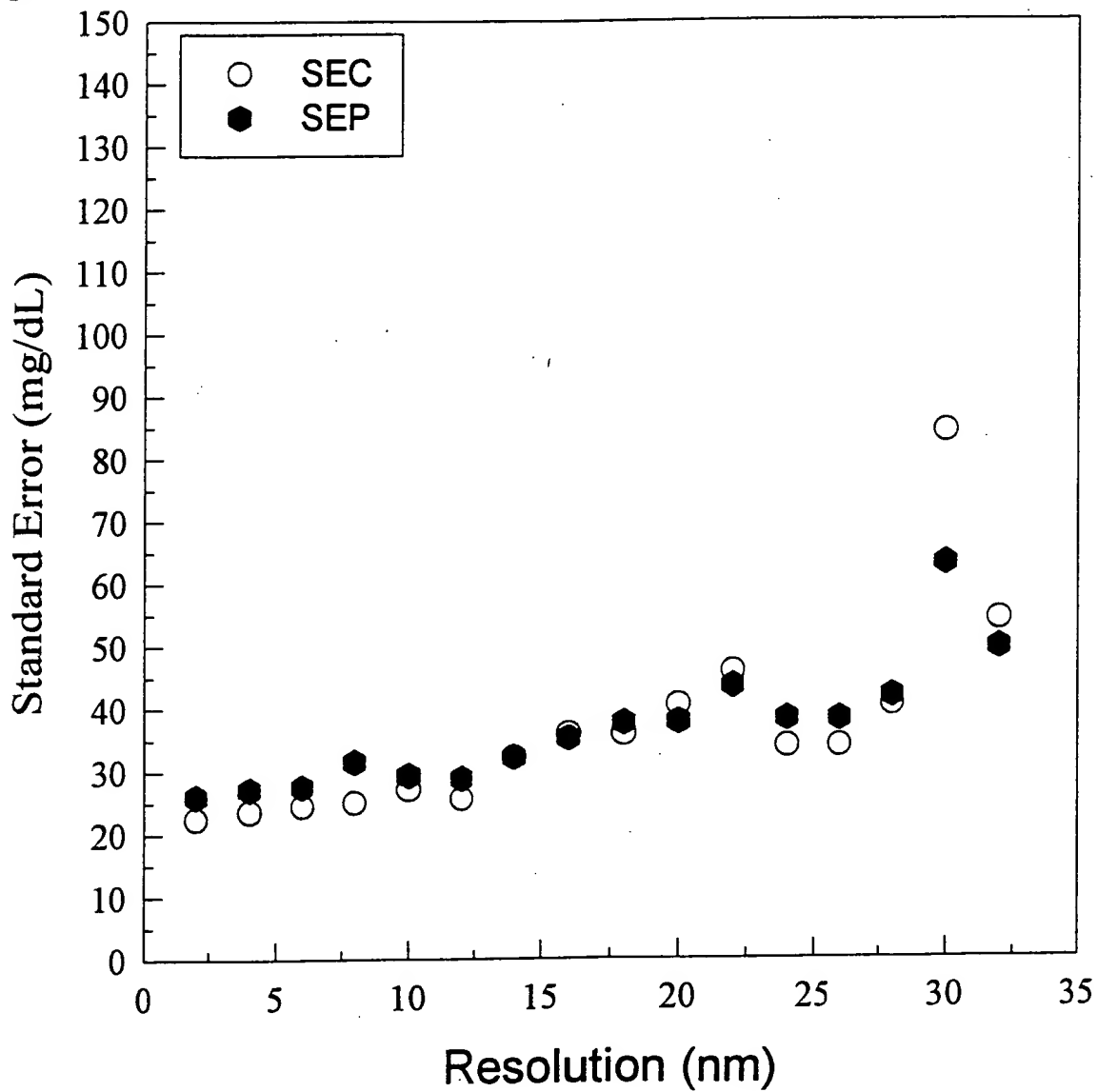


FIG. 20

Glucose in Serum  
Range 1: (2078 to 2243 nm)

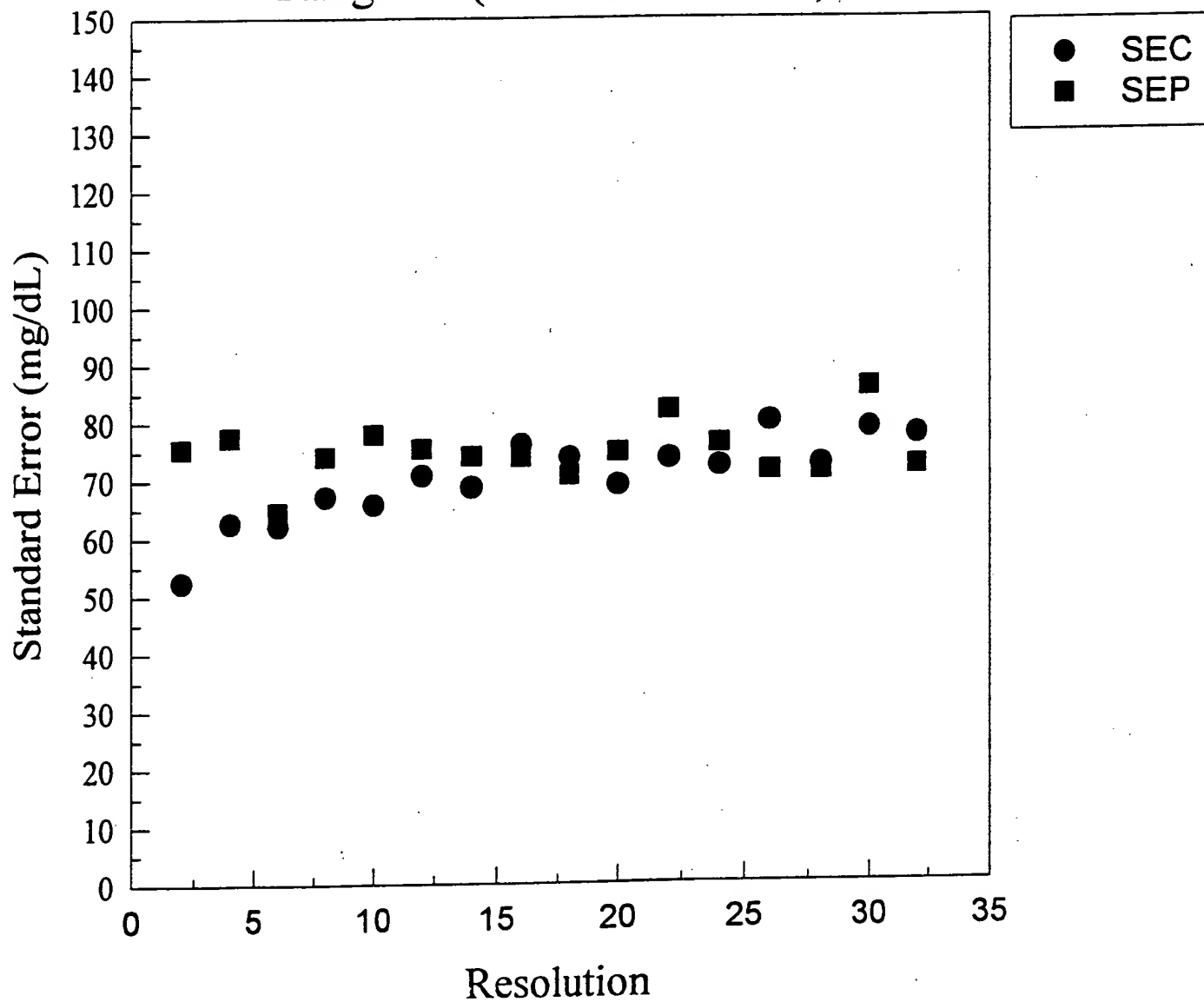


FIG. 21

264780-8851680

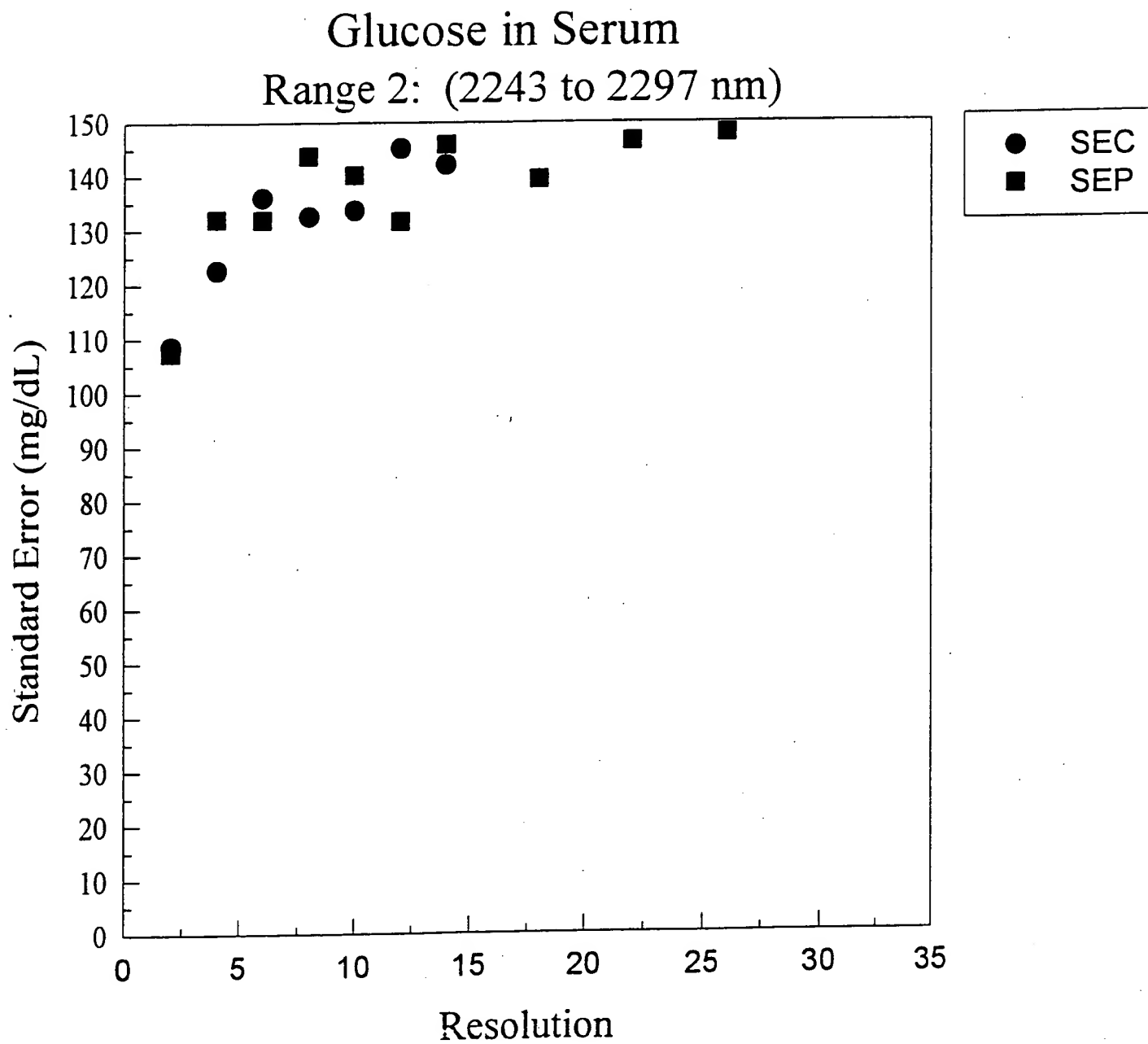


FIG. 22

2025-08-19 15:51:50

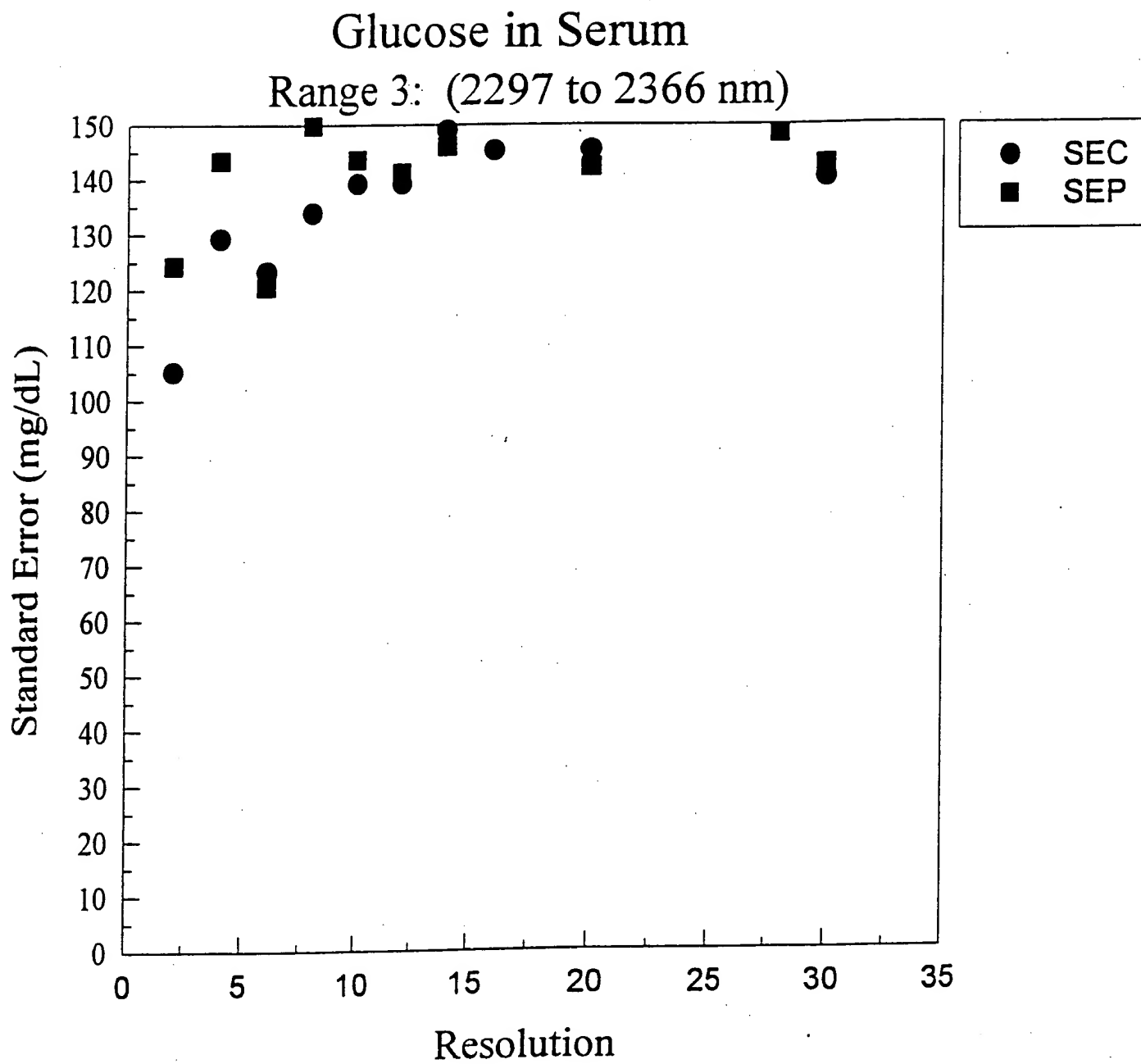


FIG. 23

# Glucose in Serum Range 4: (2078 to 2366 nm)

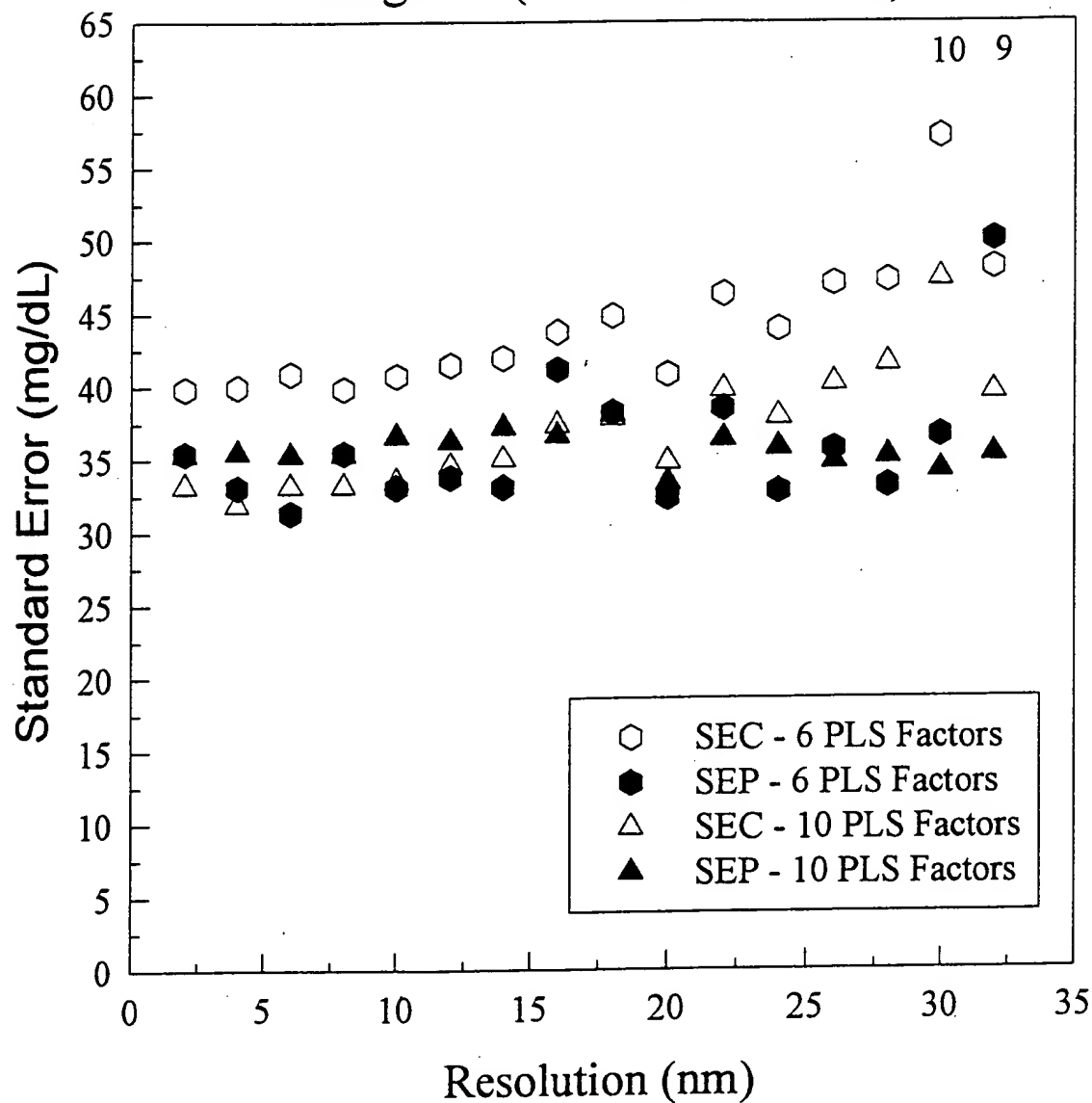


FIG. 24



Glucose in Serum  
Range 5: (1587 to 1674 nm)

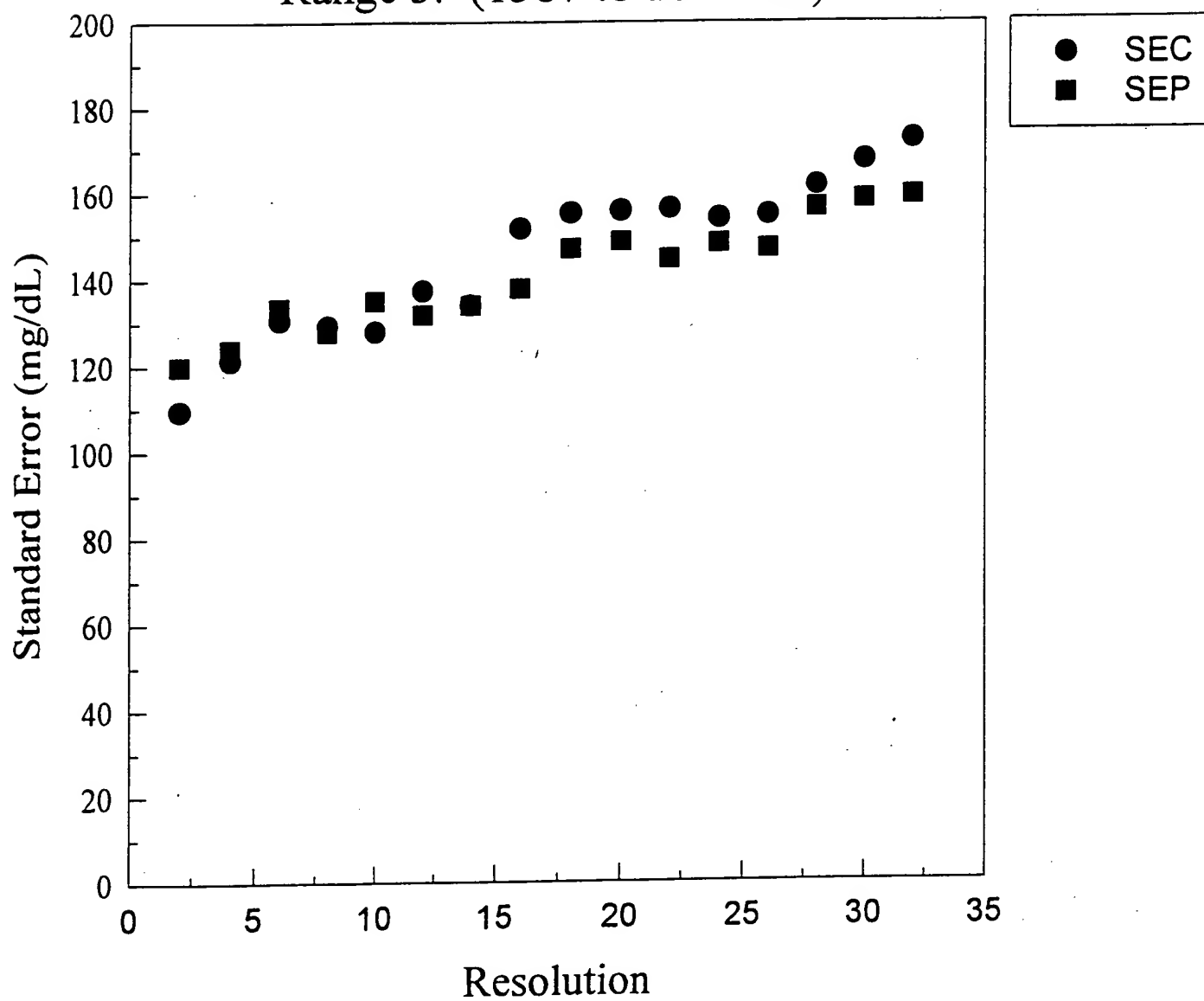


FIG. 25

Glucose in Serum  
Range 6: (1674 to 1709 nm)

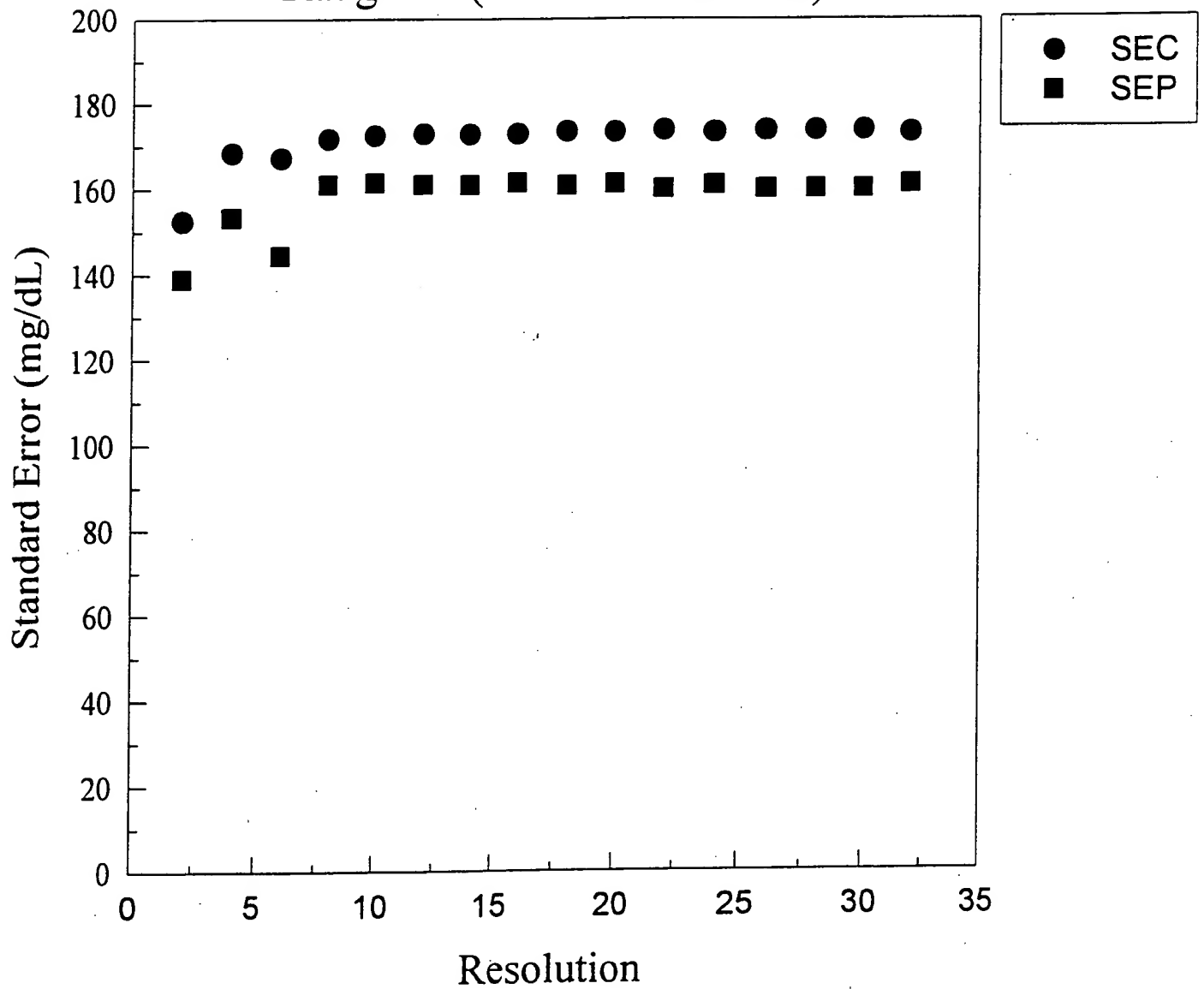


FIG. 26

Glucose in Serum  
Range 7: (1709 to 1754 nm)

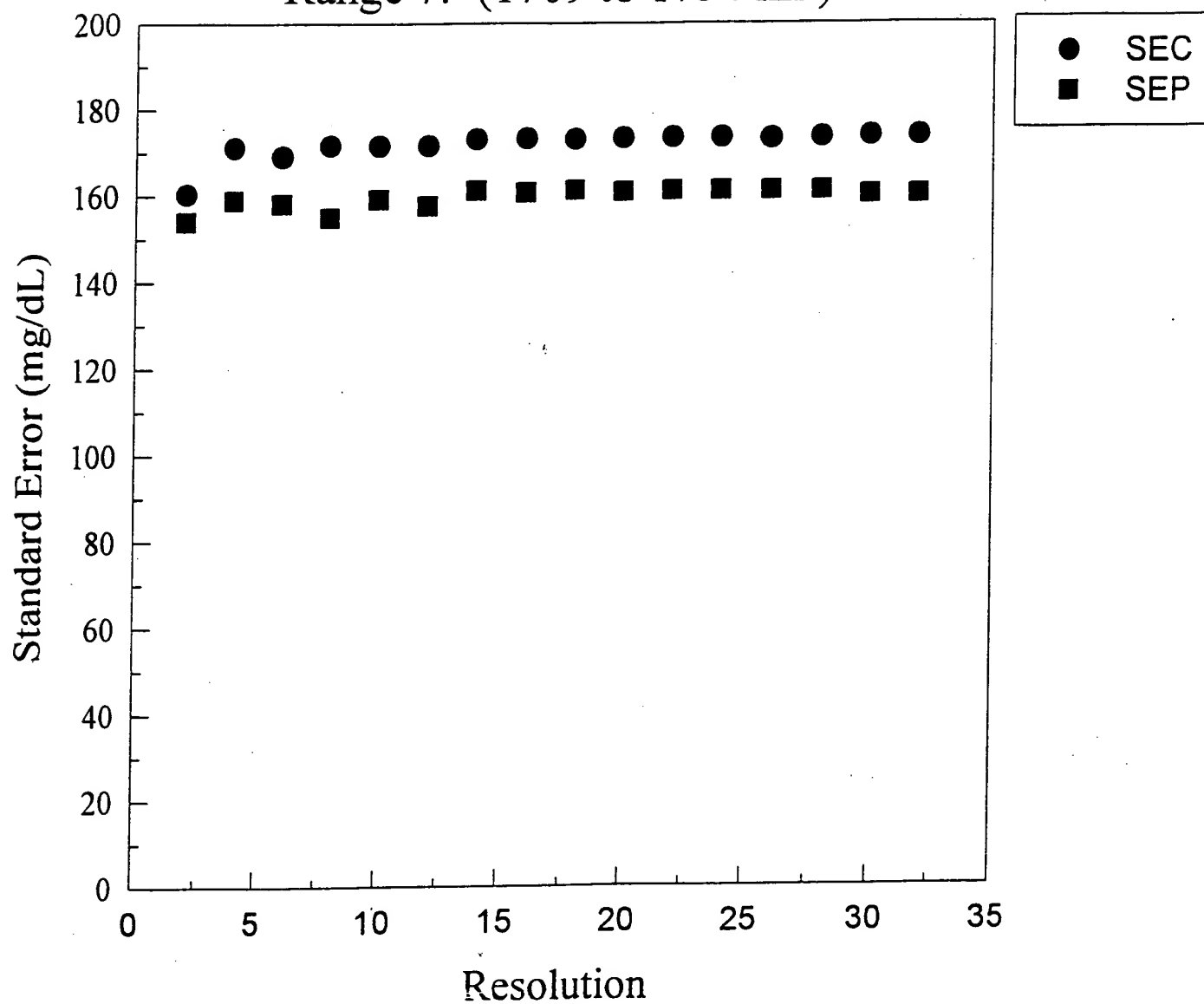


FIG. 27

Glucose in Serum  
Range 8: (1587 to 1754 nm)

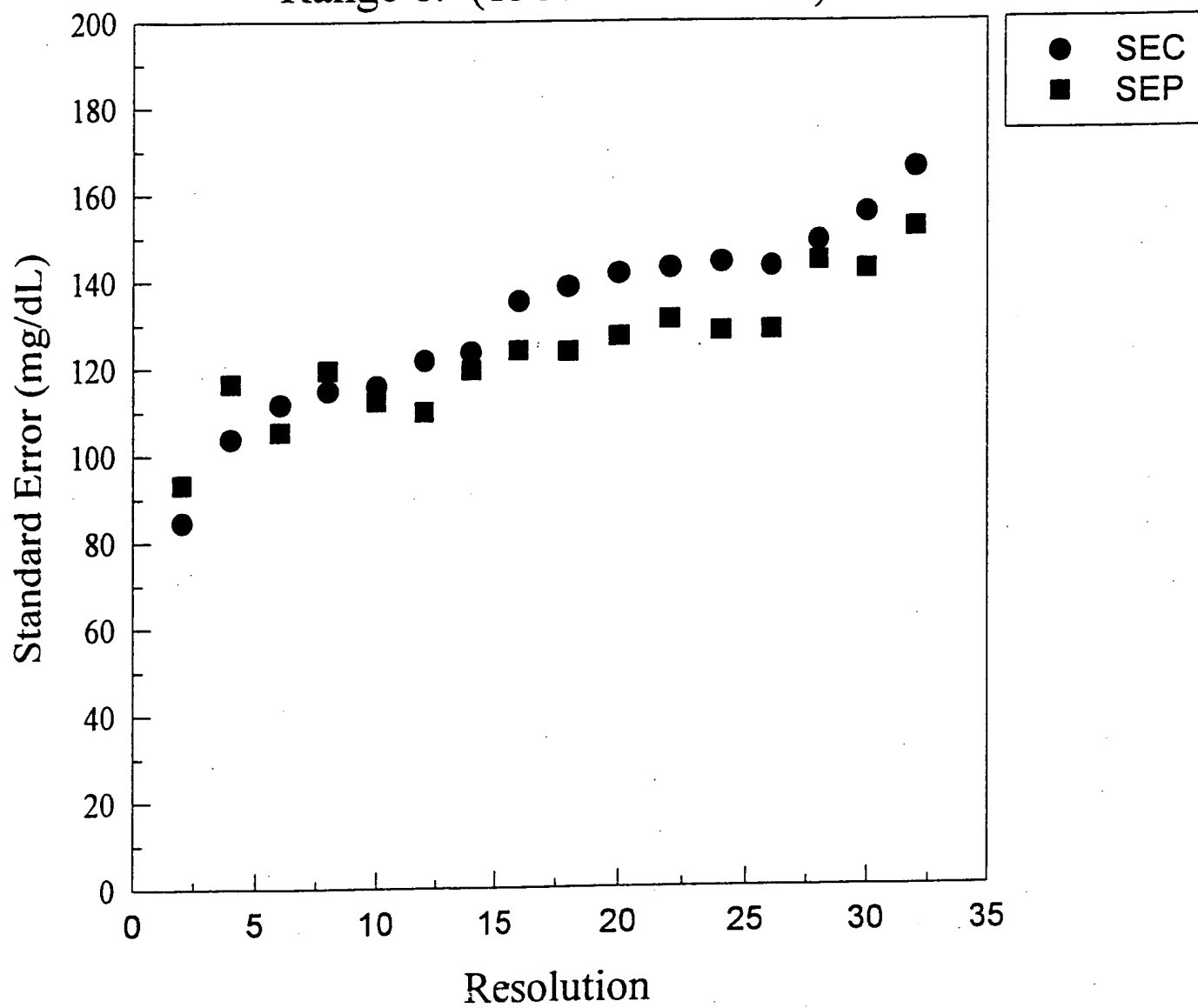


FIG. 28

Glucose in Serum  
Range 9: (2000 to 2500 nm)

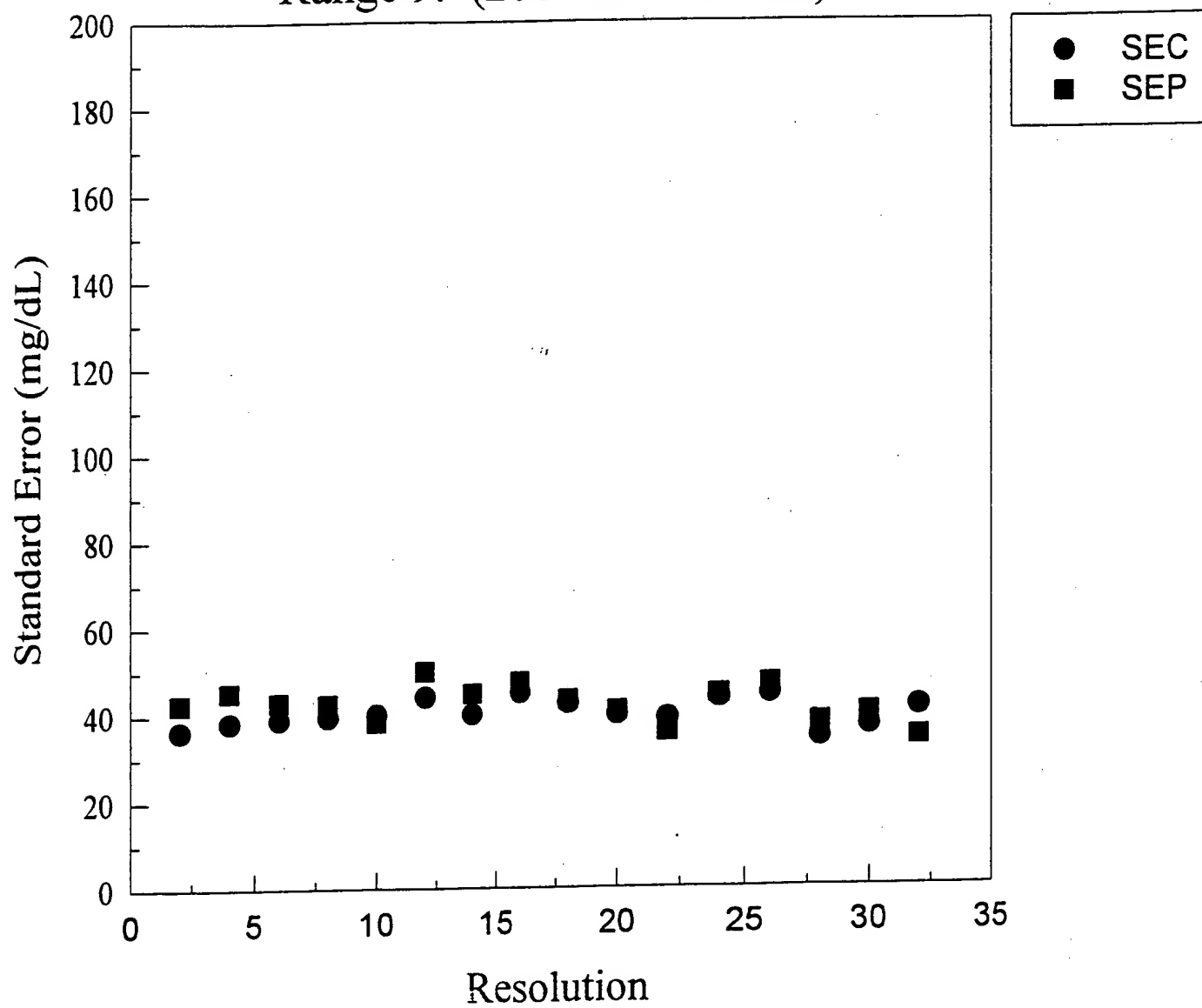


FIG. 29

Glucose in Serum  
Range 10: (1520 to 1805 nm)

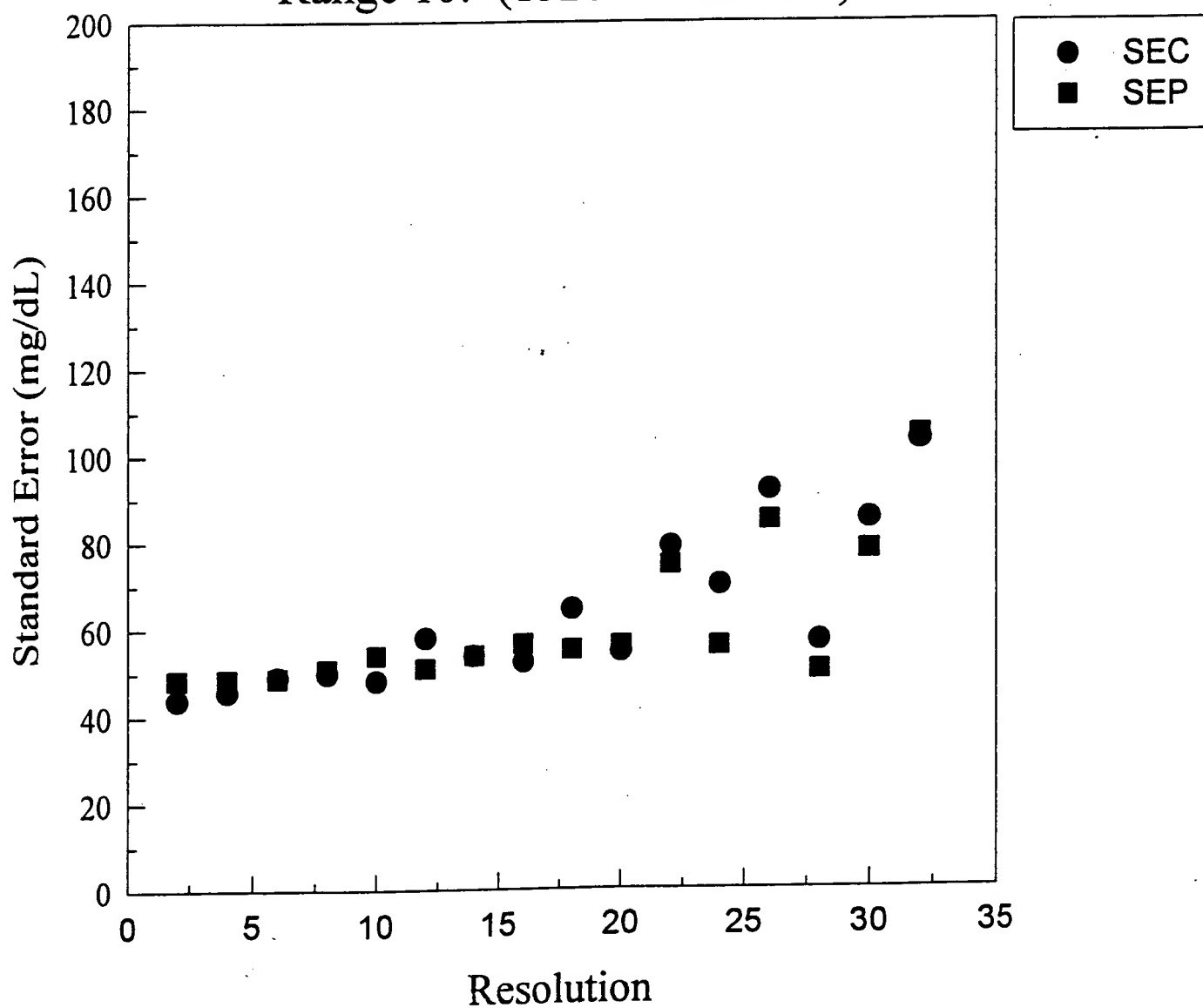


FIG. 30

# Glucose in Serum Range 8: (1587 to 1754 nm)

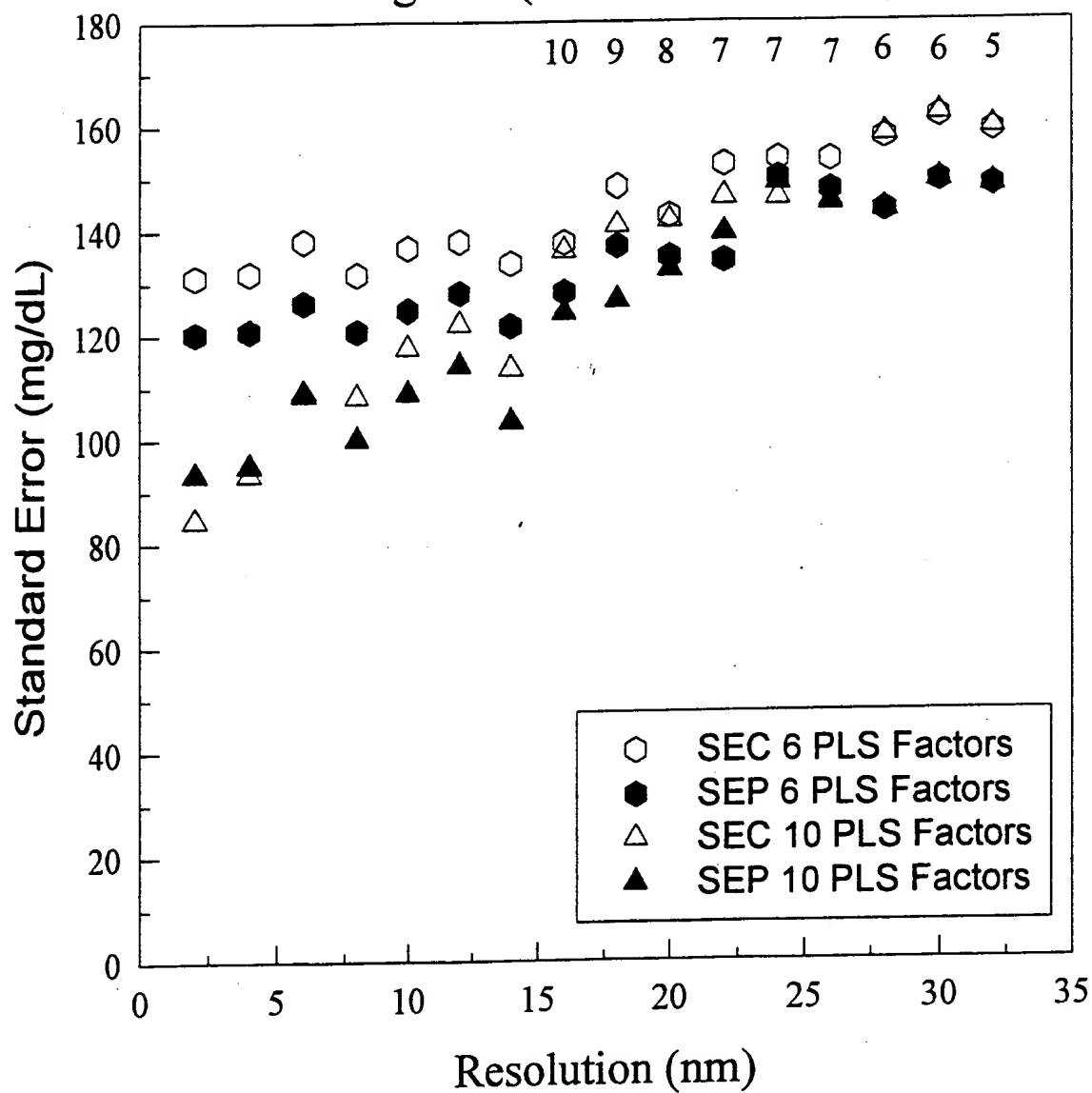


FIG. 31

264TF30-885TF630

**Raw Absorbance**  
**55 M Water; 8000 Albumin; 2000 Globulin; 200 Triacetin**

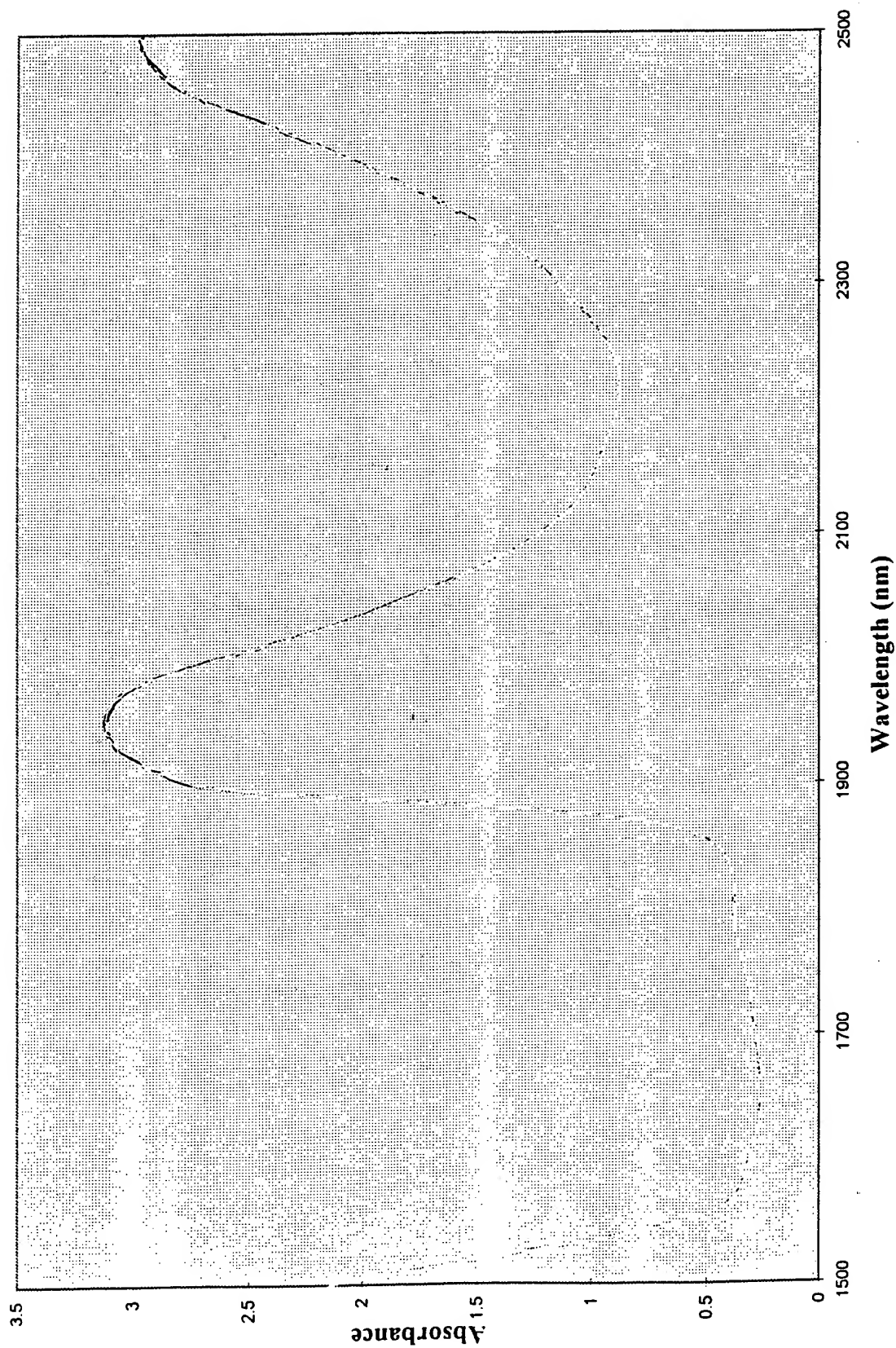
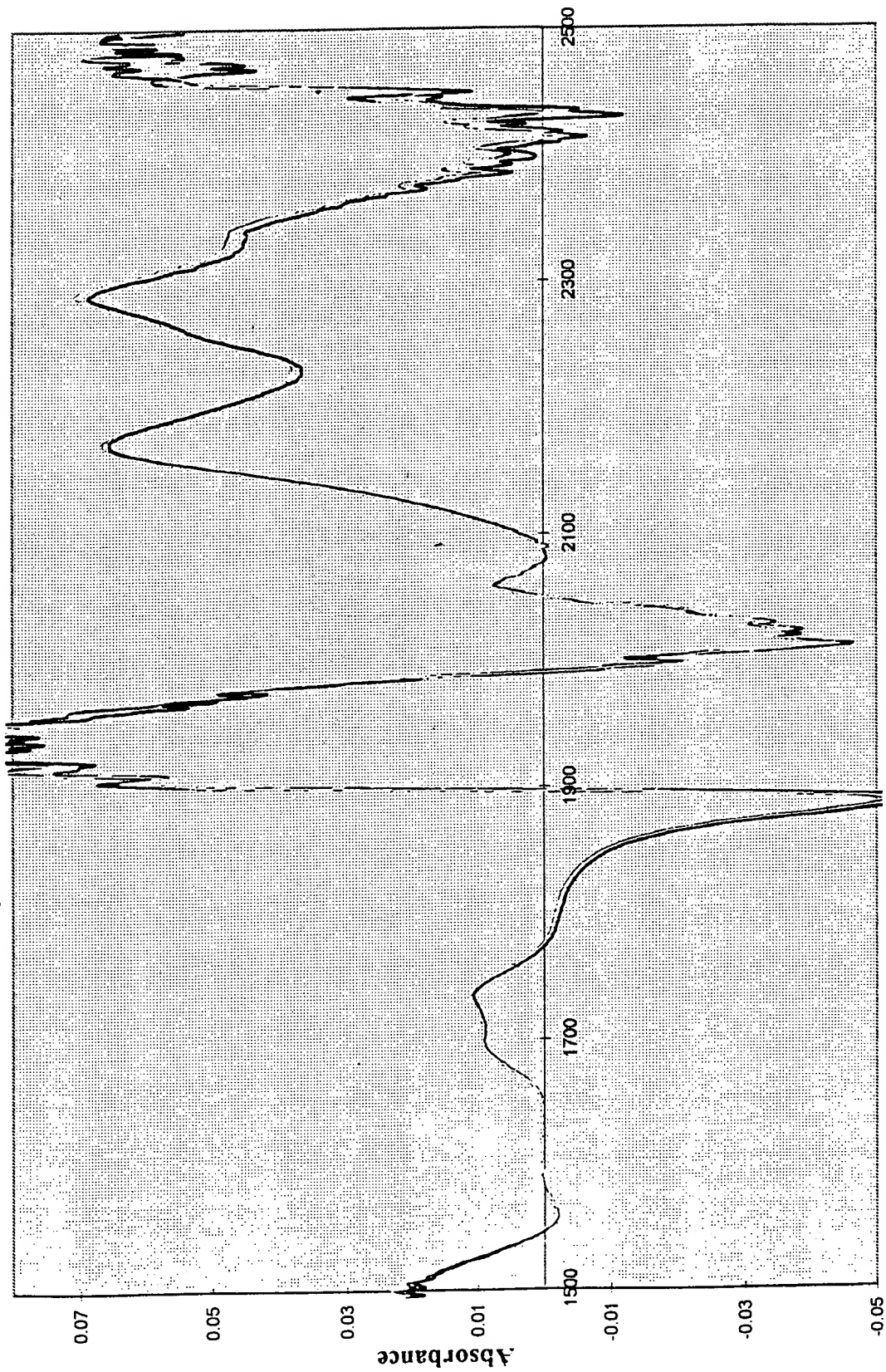


FIG. 32



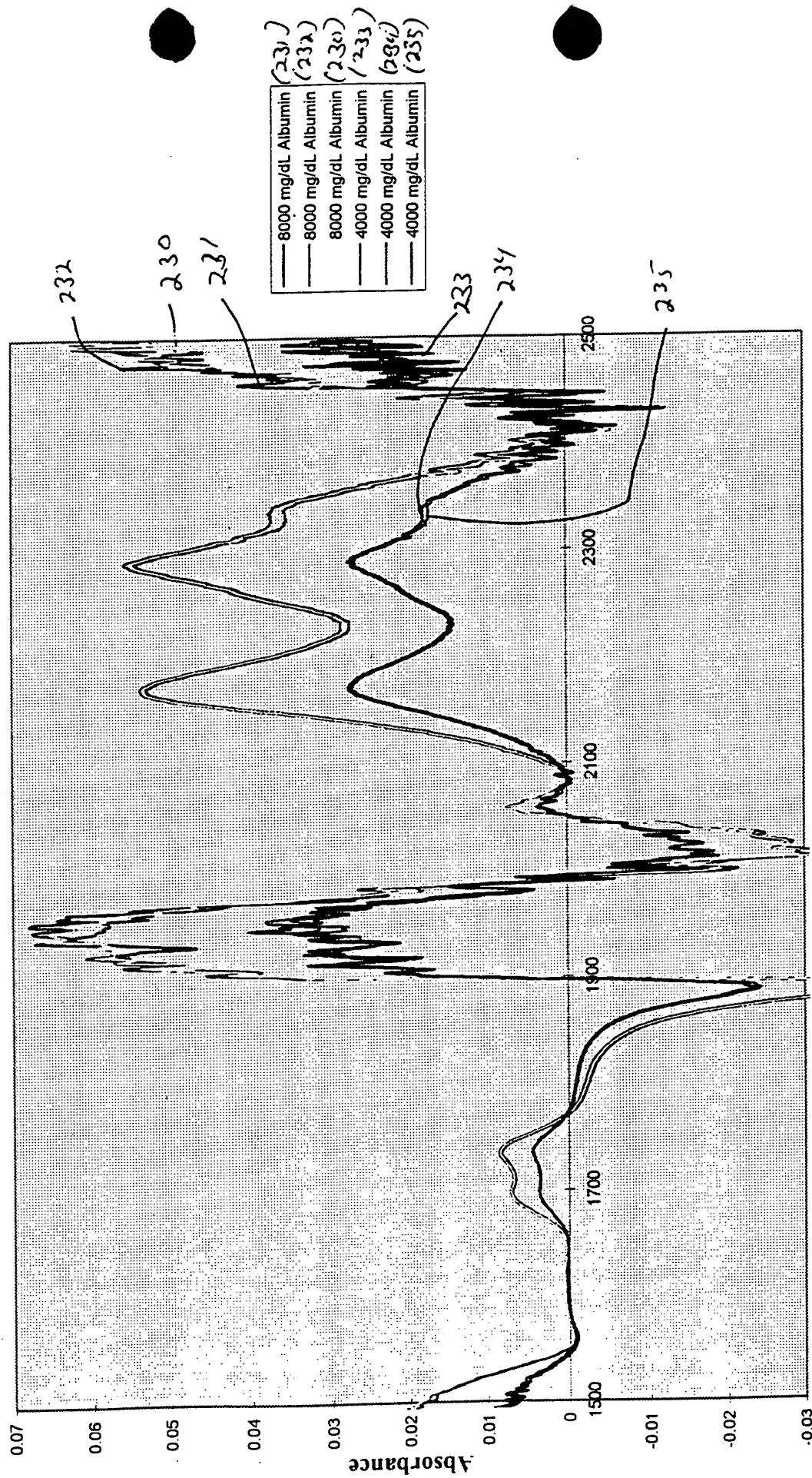
Water Subtracted (Temperature and Pathlength Corrected)  
8000 mg/dL albumin; 2000 mg/dL globulin; 200 mg/dL triacetin



Wavelength (nm)

FIG. 33

# Linearity Study: Albumin Spectra Temperature and Pathlength Corrected



Wavelength (nm)

FIG. 34

254130-8857680

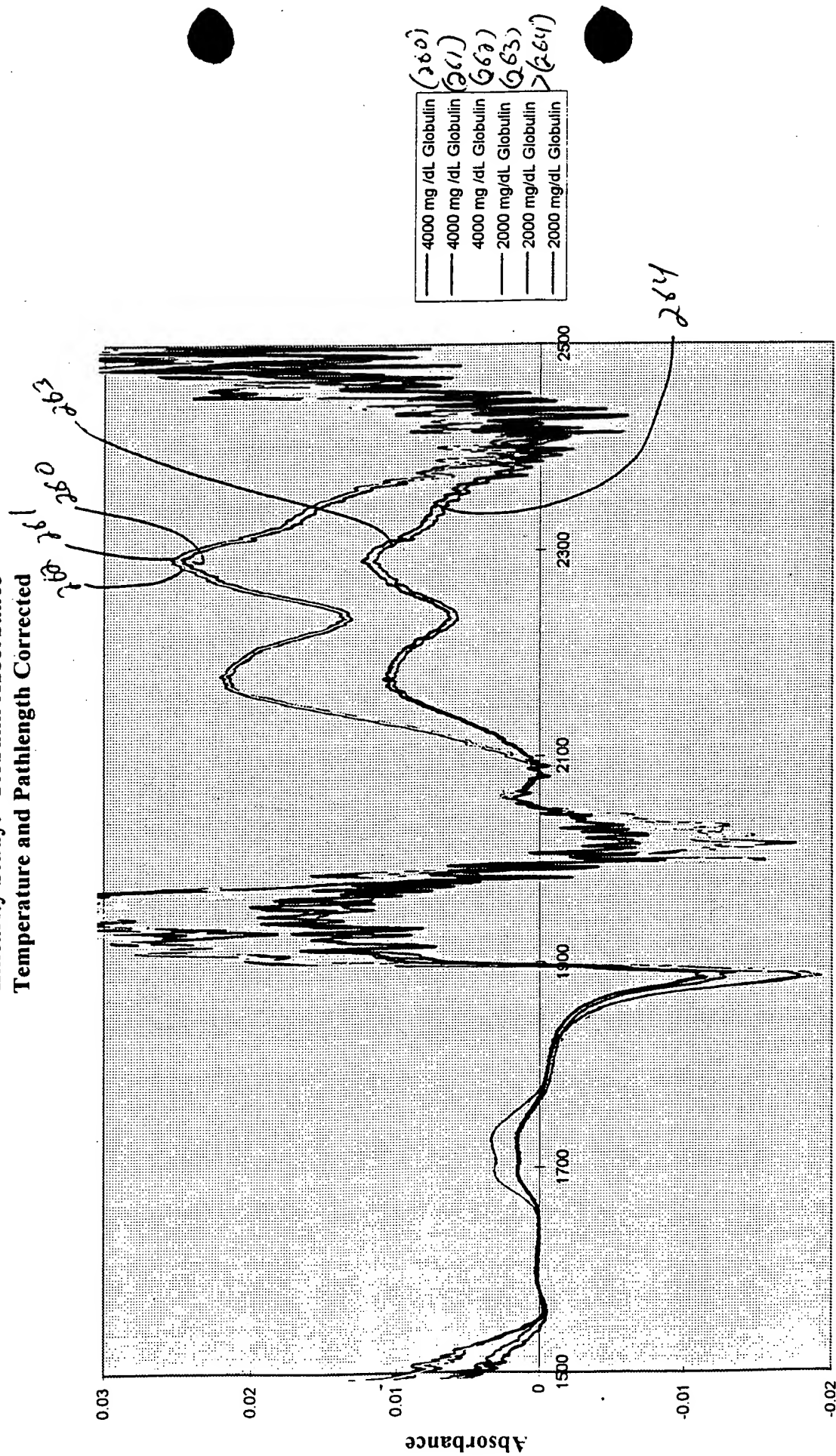
Water & 8000 Albumin Subtracted  
2000 Globulin; 200 Triacetin



Wavelength (nm)

FIG. 35

Linearity Study: Globulin Absorbance  
Temperature and Pathlength Corrected



Wavelength (nm)

FIG. 36

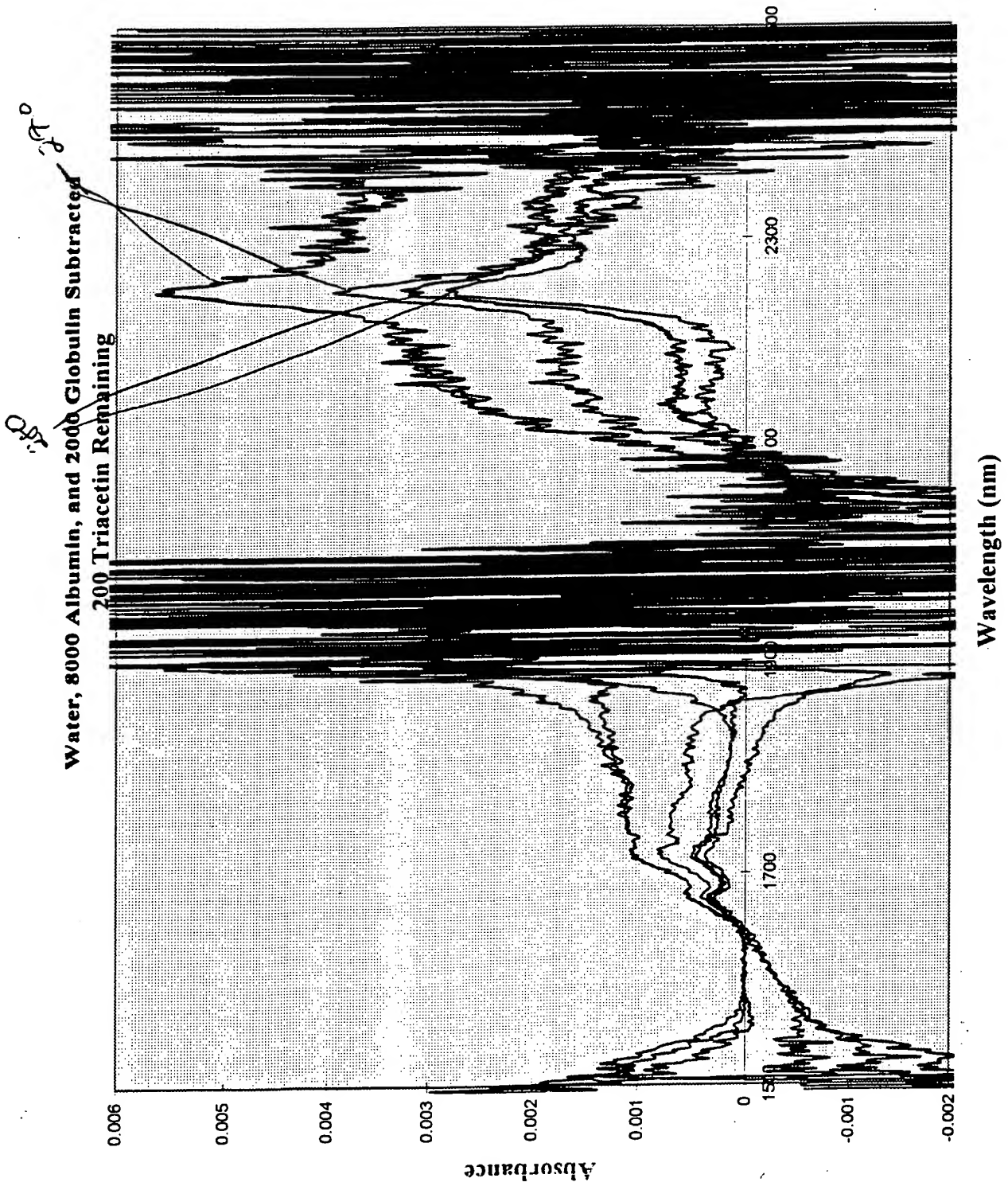


FIG. 37